## African American Studies Minor

*Professors: William Nash (American studies and English and American literature) Ellen Oxfeld (sociology/anthropology), James Ralph (history); Associate Professors: William Hart (history); Program Coordinator: Rene Brown*

This program offers a minor in African American studies to students who complete the following requirements:
(1) The following core courses, designed to offer theoretical perspectives and broad background:
* HIST 0225 African American History
* AMST 0224 Race and Ethnicity in the US
(2) Two of the following courses, which are more focused explorations of a part of the African American experience:
* AMST 0310 Livin for the City
* ENAM/AMST 0252 African American Literature
* HIST/AMST 0226 The Civil Rights Revolution
(3) One advanced, relevant 0400 level course or an independent 0500-level project.
Other appropriate courses offered during the fall and spring semesters, or during the winter term, may be substituted for courses in category 2 at the discretion of the program director. The director or minor advisor will also approve courses to count in category 3.

## African Studies Minor

*Professors: Armelle Crouzires-Ingenthron (French), Jacob Tropp (history); Associate Professors: Nadia Horning (political science), Michael Sheridan (sociology/anthropology); Assistant Professor: Claudia Cooper (education studies), Damascus Kafumbe (music)*

This program offers a minor in African Studies to students who complete the following requirements:

(1) Two of the following courses which focus primarily on Africa:
DANC 0163 From Africa to America: Moving from Our Core
ECON 0327 Economic Development in Africa
FREN 0395 Women's Voices from the Francophone World
FREN 0396 (Re) Constructing Identities in Francophone Colonial and Postcolonial Fiction
FREN 0398 Children and Civil War in Francophone African Literature
FREN 0492 Denunciation and Literature: The Awakening of the Maghreb
GEOG 0226 Geopolitics of Sub-Saharan Africa
HIST 0113 History of Africa to 1800
HIST 0114 History of Modern Africa
HIST 0315 Health and Healing in African History
HIST 0375 Struggles in Southern Africa
HIST 0441 Readings in African History: Environmental History of Africa
HIST 0442 Popular Culture and History in Africa
HIST/GSFS0443 Readings in African History: Women and Gender in African History
MUSC 0236 African Soundscapes
MUSC 0244 African Music and Dance Performance
PSCI 1016 Dictators and Democrats
PSCI 0321 Anglophone versus Francophone Africa (CW)
PSCI 0202 African Politics
PSCI 0431 Seminar on African Government

RELI 0233 Christianity in Africa
SOAN 0232 Anthropology of Continuity and Change in Sub-Saharan Africa
SOAN/IGST 1070 Introduction to Swahili and East African Cultures
SOAN/IGST 1080 Swahili and East African Culture II

(2) Two additional courses, either chosen from group (1) above or from the following courses, which include significant materials on Africa and/or the African Diaspora. When given the option to pursue independent research projects in these courses, students are expected to choose Africa-related topics to contribute to their minor:
ECON 0425 Seminar on Economic Development
ECON 0465 Special Topics in Environmental Economics
FREN 0394 Black and Beur Expression
GEOG 0210 Geographical Perspectives on International Development
HIST 0105 The Atlantic World: 1492-1900
HIST 0109 History of Islam and the Middle East, Since 1453
HIST 0225 African American History
HIST 0263 Religion and Politics in Islamic History
HIST 0427 Diaspora and Exile
HIST/GSFS0438 Readings in Middle Eastern History: Women and Islam
MUSC 1066 The History of the American Negro Spiritual
PGSE 0330 Aesthetics of Urban Poverty in Literature, Film, and Music
PGSE 0375 Colonial Discourse and the "Lusophone World"
PSCI 0209 Local Green Politics
PSCI 0258 The Politics of International Humanitarian Action
PSCI 0330 Comparative Development Strategies
RELI 0150 The Islamic Tradition
RELI 0272 African American Religious History
RELI 0359 Issues in Islamic Law and Ethics: Questions of Life and Death
SOAN 0211 Human Ecology
SOAN 0267 Global Health
SOAN 0468 Success and Failure in Global Health and Development Projects
SOAN 0340 The Anthropology of Human Rights
SOAN/RELI 0353 Islam in Practice: Anthropology of Muslim Cultures

*Courses offered during the winter term may apply to the minor.

(3) One advanced seminar course (0300- or 0400-level, depending on the department), or a relevant, independent 0500-level project (at the discretion of the program director).
Other courses offered during the fall, winter, or spring terms, or at affiliated institutions abroad, may be substituted for the above listed courses at the discretion of the program director. As a general rule, no more than one course from a study abroad program will be counted towards the fulfillment of the minor.

## American Studies

**Requirements:** A minimum of eleven courses including AMST 0209, AMST 0210, AMST 0400, three AMST electives, four courses in a concentration designed in consultation with a faculty advisor, and AMST 0705 (senior research tutorial). Students writing honors theses will undertake an additional term of independent research and writing (AMST 0710).
**Electives:** Three AMST electives, two of which must be numbered 0200 or higher. These courses must be listed or cross-listedas AMST courses in the course catalog. Courses may not

count toward both the elective and concentration requirements.
**Junior Seminar (AMST 0400):** Students should normally take this seminar in the Fall of their Junior year. Where compelling circumstances make doing this impossible, arrangements to take the course as a senior may be made with the director of the American Studies program.
**Senior Research Tutorial (AMST 0705):** Seniors must complete either a one-credit research project and essay of approximately 30 pages, or, if otherwise qualified, a two-credit honors thesis of approximately 70 pages. Equivalent work in other media may be possible. All AMST seniors must enroll in AMST 0705, the senior research tutorial, in the fall of their senior year. This seminar will focus on the development of sophisticated research skills, the sharing with peers of research and writing in progress, and the completion of a substantial research project. Those writing one-credit essays will complete their projects over the course of this tutorial. Students writing two-credit honors theses will complete at least one chapter in the seminar and then continue work on the project over another term (AMST 0710) in consultation with a faculty adviser. To qualify for the writing of an honors thesis, a student must have a GPA of at least 3.5 in courses taken for the major. Faculty will make determinations on the awarding of honors after theses are completed.
**Concentrations:** Concentrations must bring together coherent clusters of four courses that address particular themes, periods, movements, or modes of thought and expression. In consultation with an advisor and with approval of the program, students will develop an interdisciplinary concentration in one of these areas:
**Popular Culture:** Students will study popular cultural forms, their reception, and the history of their production in the United States. Courses will especially focus on the conflicts between popular culture as a site of creativity and democratic empowerment on the one hand, and as a product of dominant commercialized cultural industries on the other.
**Race and Ethnicity:** Students will examine specific groups in depth and in comparison, exploring racialand ethnic history, political struggles, creative and cultural practices, and individualand collective modes of identity formation. By studying how and why racialand ethnic identities have evolved in the United States, students will understand their central place in the formation of the American nation.
**Artistic and Intellectual Traditions:** Students will focus on literary, religious, philosophical, and social thought and its expression in the United States. They will be encouraged to examine particular currents of thought (e. g. evangelicalism, liberalism, romanticism, modernism, progressivism) or modes of expression (e.g. literature, visual art, or film) that have been important to American culture.
**Space and Place:** Students will explorethe importance of landscape and place in American culture. Course work may include the study of American regional geography, the historical and aesthetic dimensions of the built environment, the impacts of urban growth, suburbanization, or the imagining of utopian spaces.
**Cultural Politics:** Students will explorethe relationship between culture, ideology, and the political system. People create meaning about their personal and public lives through cultural practices, but those practices take place within institutional and ideological structures. Relevant courses might explore ethics and religion; political parties and social movements; feminism and gender studies; and representation and visual culture.
**Self-Designed Concentration:** Self-designed concentrations must be built in close consultation with a faculty advisor and should focus on a cultural theme or interdisciplinary area of inquiry. Potential topics might include: Gender & American Culture; American Environmentalism; Visual Culture; Industrialization of America; and Immigration and Cultural Exchanges.
***Joint Major Requirements:*** Students may major in AMST jointly with another discipline or program. Students must discuss their rationale for doing so with their advisor in AMST and joint majors must be approved by the faculty in AMST. Required courses for a joint major in AMST are: AMST 0209, AMST 0210, AMST 0400, and AMST 0705, and 2 AMST electives.

***Minor Requirements:*** Students may complete a minor in American Studies by taking the following courses: AMST 0210, AMST 0209, AMST 0400, three AMST electives.
***Study Abroad for American Studies Majors:*** The faculty members of the Program in American Studies recognize the benefits of cross-cultural learning and encourage majors to take advantage of study abroad opportunities. Often students returning from study abroad undertake senior work that responds to their cultural learning while abroad. We encourage students to take courses in their study abroad program that focus on the host culture and thereby allow the best opportunity for cultural comparison.
American Studies majors normally take AMST 0400, a required seminar, in the fall semester of their junior year. Under compelling circumstances that leave only the fall available as an option for study abroad, majors may be able to take AMST 0400 in the fall semester of their senior year. Such arrangements must be discussed in advance with, and approved by, the director of the American Studies program. The American Studies program enjoys being host to exchange students from the American studies programs at the Universities of East Anglia and Nottingham in Great Britain.

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# AMST0101 Intro to American Studies: (Spring 2017)

**Introduction to American Studies: The Imagination of Disaster**
In this course we will offer an introduction to the interdisciplinary study of American culture and identity. Integrating a range of sources and methods, we will examine myths, symbols, values, and social changes that have been used to create and contest ideas of "Americanness." Sources for the course will include movies, fiction, political and religious tracts, advertising, TV shows, music, biography, and architecture. This year, we will focus on the meaning and narration of disaster in American culture, stretching from Puritan fears of God's wrath to contemporary responses to 9/11 and the devastation of Hurricane Katrina. Specific texts will include Margaret Atwood, *The Handmaid's Tale*; Susan Sontag, *The Imagination of Disaster*; Cormac McCarthy, *The Road*; and films such as Irwin Allen's *The Towering Inferno* and Roland Emmerich's *The Day*

*After Tomorrow*. 3 hrs. (M. Newbury)

## AMST0102 Politics, Media, Popular Culture (Fall 2016)

In this course, we will examine U.S. politics and popular culture in the period 1941-2015. We will analyze political films ranging from the World War II propaganda series, *Why We Fight*, to more recent feature films such as *Wag the Dog* and *Good Night and Good Luck*. We will consider televisionâs impact on civic culture, focusing on entertainment programs (*I Led 3 Lives*, *24*, *Scandal*), the news (*See It Now*, *The OâReilly Factor*), campaign commercials, and political satire (*The Daily Show*, *The Colbert Report*). Finally, we will assess how online organizing and the blogosphere impact civic participation. 3 hrs. lect. **HIS, NOR** (H. Allen)

## AMST0104 Television & American Culture (Spring 2017)

This course explores American life in the last six decades through an analysis of our central medium: television. Spanning a history of television from its origins in radio to its future in digital convergence, we will consider television's role in both reflecting and constituting American society through a variety of approaches. Our topical exploration will consider the economics of the television industry, television's role within American democracy, the formal attributes of a variety of television genres, television as a site of gender and racial identity formation, television's role in everyday life, and the medium's technological and social impacts. 2 hrs. lect./3 hrs. screen. **NOR, SOC** (J. Mittell)

## AMST0107 Introduction to African American Culture (Fall 2016)

In this introductory survey we will focus on the study of African American culture in the United States, exploring various aspects of cultural production such as literature, music, visual arts, film, and performance. The guiding questions of the course are: what role has black culture played in shaping and responding to broader paradigms in American culture? How is lived experience implicated in the production of black culture? How have cultural products helped define, call into question, and celebrate âblackness?â Readings may include W. E. B. Du Boisâ *The Souls of Black Folk* (1903), Octavia Butlerâs *Kindred* (1979), and Tricia Roseâs *Black Noise* (1994). 3 hrs. lect./disc. **NOR** (J. Finley)

## AMST0180 Critical Studies of Sport (Fall 2016)

Sports offer important contexts for the study of social relations, inequalities, and differences in North America. Sports exist as an important arena where ideas around class, gender, sexuality, race, ability, and status are embodied and performed. In this course we will discuss the significance of sports to ideas of the self as well as in broader cultural, social, economic, and political realms. We will analyze a variety of issues including the relationship of sports to media, celebrity, money, religion, and education. We will also investigate the significance of sports and athletes to contemporary processes of globalization. (Not open to students who have taken AMST 1003). **NOR, SOC** (R. Joo)

## AMST0204 Black Comic Cultures (Spring 2017)

In this course we will explore a range of black comic cultures, analyzing their emergence and transformation from the early 20th century to the present. Specifically, we will examine blackface minstrels of the early 20th century such as George Walker and Bert Williams, Bill Cosbyâs performances in the 60s, and the ribald humor of LaWanda Pageâs 1970s party records, before moving to the urban scene embodied in television shows such as *Def Comedy Jam*. We will also engage with theoretical materials that help us analyze black comedy as multidimensional, such as John Limonâs *Stand-up Comedy in Theory*, or, *Abjection in America*. 3 hrs. lect. **NOR, SOC** (J. Finley)

## AMST0206 Nineteenth-Century American Literature (Spring 2017)

This course will examine major developments in the literary world of 19th century America. Specific topics to be addressed might include the transition from Romanticism to Regionalism and Realism, the origins and evolution of the novel in the United States, and the tensions arising from the emergence of a commercial marketplace for literature. Attention will also be paid to the rise of women as literary professionals in America and the persistent problematizing of race and slavery. Among others, authors may include J. F. Cooper, Emerson, Melville, Douglass, Chopin, Whitman, Dickinson, Twain, Hawthorne, Stowe, Alcott, Wharton, and James. 3 hrs. lect./disc. **LIT, NOR** (D. Evans)

## AMST0208 Unruly Bodies: Black Womanhood in Popular Culture (Fall 2016)

In this course we will examine representations of black womanhood in popular culture, analyzing the processes by which bodies and identities are constructed as dangerous, deviant, and unruly. For example, materials will include the work of bell hooks and Patricia Hill Collins to analyze the imagery of black womanhood propagated by the television shows *The Jerry Springer Show* and *Bad Girls Club*. By contrast, we will also read Saidiya Hartmanâs *Scenes of Subjection* as a lens through which to view âbadâ black womanhood as a radically stylized means of redress in the Blaxploitation-era film *Foxy Brown*. 3 hrs. lect. **CMP, NOR** (J. Finley)

## AMST0209 American Literature and Culture: Origins-1830 (Fall 2016)

A study of literary and other cultural forms in early America, including gravestones, architecture, furniture and visual art. We will consider how writing and these other forms gave life to ideas about religion, diversity, civic obligation and individual rights that dominated not only colonial life but that continue to influence notions of "Americanness" into the present day. 3 hrs. lect./disc. **LIT, NOR** (E. Foutch)

## AMST0210 Formation of Modern American Culture I: 1830-1919 (Spring 2017)

An introduction to the study of American culture from 1830 through World War I with an emphasis on the changing shape of popular, mass, and elite cultural forms. We will explore a widely-accepted scholarly notion that a new, distinctively national and modern culture emerged

during this period and that particular ideas of social formation (race, class, gender, sexuality, etc.) came with it. We will practice the interdisciplinary interpretation of American culture by exploring a wide range of subjects and media: economic change, social class, biography and autobiography, politics, photo-journalism, novels, architecture, painting, and photography. Required of all American studies majors. 3 hrs. lect./disc. **HIS, NOR** (W. Nash)

## AMST0214 Mastodons, Mermaids, and Dioramas: Capturing Nature in America (Fall 2016)

Why did 18th-century museums stuff and mount exotic and domestic animals? Why does the American Museum of Natural History still house dioramas of so-called native peoples hunting? How has the study and staging of nature transferred into various kinds of artistic expression? In this course we will examine the intertwining of art, science, and ecology in the United States from the 1700s to the present day. Objects of study will include museum dioramas, scientific models, artifacts and artworks collected during scientific expeditions, and the work of Walton Ford and Christy Rupp, contemporary artists whose work engages ecological issues. 3 hrs. lect. **ART, NOR** (E. Foutch)

## AMST0224 Formations of Race and Ethnicity in the U.S. (Spring 2017)

Historical memories, everyday experiences, and possible futures are powerfully shaped by racial and ethnic differences. Categories of race and ethnicity structure social relationships and cultural meanings in the United States and beyond. In this course we will track the theoretical and historical bases of ideas of race and ethnicity in modern America. We will investigate how race and ethnicity intersect at particular historical moments with other forms of difference including gender, sexuality, nation, and class. The course offers an approach informed by critical studies of race including texts in history, political theory, cultural studies, and anthropology. 3 hrs. lect. **NOR, SOC** (R. Joo)

## AMST0227 Asian Americas (Spring 2017)

In this course we will investigate cultural transformations, cultural politics, and the cultural productions of and about Asian Americans. The themes of immigration, nation, and citizenship are central to the construction of the U.S. racial category of Asian. Those addressed within the category are highly diverse and differentiated along class, gender, and generational lines, yet the racial category structures particular kinds of experiences and possibilities for subjects. Historical transformations and contemporary issues in a variety of Asian American contexts will be investigated through a variety of texts including historical accounts, cultural studies, anthropological studies, autobiography, and fiction. 3 hrs. lect. **NOR, SOC** (R. Joo)

## AMST0230 Gender Images in American Popular Culture (Spring 2017)

In this course, we will examine representations of gender in American popular culture. Course materials will include nineteenth-century popular music, literature, and theater, early twentieth-century advertising and film, 1950s television, and more recent electronic media. Considering a range of cultural forms over a broad historical period allows us to determine the impact that

particular media have had on our conceptions of gender difference. Finally, by becoming critical readers of popular cultural forms that represent manhood and womanhood, we gain a greater appreciation for the complexity, variability, and open-endedness of gender constructions within American life. 3 hrs. lect. **NOR** (H. Allen)

## AMST0231 See the U.S.A.: The History of Tourism in American Culture (Fall 2016)

In this course, we will explore the history and evolution of American tourism, beginning in the 1820s, when middle-class tourists first journeyed up the Hudson River valley, and ending with our contemporary and continuing obsession with iconic destinations such as Graceland, Gettysburg, and the Grand Canyon. We will explore how the growth of national transportation systems, the development of advertising, and the rise of a middle class with money and time to spend on leisure shaped the evolution of tourism. Along the way, we will study various types of tourism (such as historical, cultural, ethnic, eco-, and 'disaster' tourism) and look at the creative processes by which places are transformed into 'destinations'. Our texts will come from visual art, travel literature, material culture, and film and television. We will consider their cultural meaning and reflect on our own motivations and responses as tourists, and by so doing contemplate why tourism was-and still is-such an important part of American life. 3 hrs. lect. **CW, HIS, NOR** (D. Evans)

## AMST0232 Music in the United States (Fall 2016)

In this course we will examine folk, classical, and popular music in the United States from the 17th century to the present. We will use historical and analytical approaches to gain insight into the music, the musicians, and the social and cultural forces that have shaped them. Students will explore musicâs relation to historical events, other artistic movements, technological changes, and questions of national identity and ethnicity. Topics will include music in the British colonies, minstrelsy, American opera and orchestras, jazz, popular music, and the experimentalist composers of the 20th and 21st centuries. Music reading skills are useful but not required. 3 hrs. lect./disc. **ART, NOR** (L. Hamberlin)

## AMST0240 Captivity Narratives (Fall 2016)

Captivity narrativesâfirst-person accounts of people's experiences of being forcibly taken and held against their will by an "other"âwere immensely popular and important in early America; the captivity motif has been perpetuated and transformed throughout later American literature and film. In this course we will explore what these types of tales reveal about how Americans have handled the issues of race and racism, religion, gender, violence and sexuality that experiences of captivity entail. Beginning with classic Puritan narratives (Mary Rowlandson) and moving forward through the 19th and 20th centuries, we will consider the ways that novels (*The Last of the Mohicans*), autobiographies (Patty Hearst, Iraqi captivity of Pvt. Jessica Lynch) and films (*The Searchers*, *Little Big Man*, *Dances with Wolves*) do cultural work in shaping and challenging images of American national identity. 3 hrs. lect. **ART, LIT, NOR** (D. Evans)

## AMST0245 American Landscape: 1825-1865 (Fall 2016)

This course will explore American landscape painting through an interdisciplinary approach, employing art, literature, religion, and history. In studying the landscape paintings of Thomas

Cole, Asher B. Durand, and Frederic Church, we will also consider the commercial growth of New York City; the myths and legends of the Catskill Mountains; the writings of James Fenimore Cooper, Washington Irving, and Henry David Thoreau; the opening of the Erie Canal; and the design and construction of Central Park. 3 hrs. lect./disc. **ART, HIS, NOR** (C. Wilson)

## AMST0252 African American Literature (Fall 2016)

**African American Literature**
This course surveys developments in African American fiction, drama, poetry, and essays during the 20th century. Reading texts in their social, historical, and cultural contextsâand often in conjunction with other African American art forms like music and visual artâwe will explore the evolution and deployment of various visions of black being and black artistry, from the Harlem Renaissance through social realism and the Black Arts Movement, to the contemporary post-soul aesthetic. Authors may include Langston Hughes, Zora Neale Hurston, Gwendolyn Brooks, Ralph Ellison, Lorraine Hansberry, Amiri Baraka, Ishmael Reed, Toni Morrison, Charles Johnson, and Octavia Butler. 3 hrs lect./disc. **LIT, NOR** (W. Nash)

## AMST0259 Re-Presenting Slavery (Spring 2017)

In this course we will examine 20th century American portrayals of chattel slavery through creative works and situate them in their historical contexts. Working primarily with fiction (*Oxherding Tale*, *Kindred*, *The Underground Railroad*), film (*Mandingo*, *Django Unchained*, *Twelve Years a Slave*), television (*Roots*, *Africans in America*, *Underground*), and visual art (works by Jacob Lawrence, Romare Bearden, and Kara Walker), we will evaluate how those various representations of the âPeculiar Institutionâ have changed, and/or have been changed, by the cultural moments in which they appeared. 3 hrs lect. **ART, HIS, NOR** (W. Nash)

## AMST0260 American Disability Studies: History, Meanings, and Cultures (Fall 2016)

In this course we will examine the history, meanings, and realities of disability in the United States. We will analyze the social, political, economic, environmental, and material factors that shape the meanings of "disability," examining changes and continuities over time. Students will draw critical attention to the connections between disability, race, ethnicity, gender, sexuality, socioeconomic status, and age in American and transnational contexts. Diverse sources, including films and television shows, music, advertising, fiction, memoirs, and material objects, encourage inter and multi-disciplinary approaches to disability. Central themes we consider include language, privilege, community, citizenship, education, medicine and technology, and representation. **HIS, NOR, SOC** (S. Burch)

## AMST0262 Class, Culture, and Representation (Spring 2017)

In this course we will examine the contested meanings of social class in U.S. culture from 1930 to the present. We will ask the following: How have workers, the workplace, and economic inequality been imagined in U.S. film, art, and popular culture? How have categories such as race, gender, and sexuality informed ideas about class? And how do the realities of economic inequality mesh with civic narratives of meritocracy and the âAmerican Dreamâ? Readings will

include works by Barbara Ehrenreich, Studs Terkel, Tillie Olsen, and Helena Maria Vilamontes. Films, music, and other media will supplement written materials. 3 hrs. lect. **HIS, NOR** (H. Allen)

## AMST0263 American Psycho: Disease, Doctors, and Discontents (II) (AL) (Pre-1900 AL) (Spring 2017)

What constitutes a pathological response to the pressures of modernity? How do pathological protagonists drive readers toward the precariousness of their own physical and mental health? The readings for this class center on the provisional nature of sanity and the challenges to bodily health in a world of modern commerce, media, and medical diagnoses. We will begin with 19th century texts and their engagement with seemingly "diseased" responses to urbanization, new forms of work, and new structures of the family and end with contemporary fictional psychopaths engaged in attacks on the world of images we inhabit in the present. Nineteenth century texts will likely include stories by Edgar Allan Poe, Nathaniel Hawthorne, Herman Melville, and Charlotte Perkins Gilman. Later 20th-century works will likely include Ken Kesey, *One Flew Over the Cuckoo's Nest*, Thomas Harris, *The Silence of the Lambs*, Susanna Kaysen, *Girl, Interrupted*, and Bret Easton Ellis, *American Psycho*. **LIT, NOR** (M. Newbury)

## AMST0281 Viewer Discretion Advised: Controversies in American Art & Museums, 1876-Present (Spring 2017)

What are the âculture wars,â and why do they matter? What ideas are considered too âobsceneâ for American audiences? In this course we will explore controversies and scandals sparked by public displays of art in the U.S. including: Eakinsâs Gross Clinic (1876), seen as too âbloodyâ for an art exhibition; the U.S. Navyâs objections to Paul Cadmusâs painting of sailors (1934); censorship and NEA budget cuts (Mapplethorpe & Serrano, 1989); backlash to The West as Americaâs deconstruction of myths of the frontier (1991); tensions surrounding Colonial Williamsburgâs âslave auctionâ reenactment (1994); debates over the continued display (and occasional defacement) of Confederate monuments in the era of the Black Lives Matter Movement. 3 hrs. lect./disc. **ART, HIS, NOR** (E. Foutch)

## AMST0300 Reclaiming the Swamp: History, Science, and the Challenge of the Everglades (Fall 2016)

In this course we will survey the cultural and ecological history of the Everglades, starting in the early 19th century and culminating in current restoration efforts. A critically endangered ecosystem, the Everglades illustrates the concept of a âwicked environmental problemâ: one characterized by high uncertainty and conflict over values. Following our historical survey of the Everglades, we will shift to a project-based investigation of the local and global forces that shape the region. Course materials will be drawn from fiction, art, historical studies, policy documents, and scientific literature. Students should be prepared to work collaboratively to engage a variety of primary sources. 3 hrs. lect./disc. **HIS, NOR** (A. Lloyd, T. Spears)

## AMST0301 Madness in America (Spring 2017)

It's a mad, mad course. In this course we will focus on representations of madness from colonial to late 20th century America, emphasizing the links between popular and material culture,

science, medicine, and institutions. We will consider how ideas about madness (and normalcy) reflect broader (and shifting) notions of identity. Thus, issues of race, ethnicity, gender and sexual orientation, community, class, and region will play significant roles in our discussions and critiques. To complement foundational readings, this course will draw on American literature, documentary and entertainment films, music, and materials from the college's special collections. **NOR, SOC** (S. Burch)

## AMST0304 The Graphic Novel (Fall 2016)

In this course we will study some of the most widely respected graphic novels produced in the last thirty years. Our purpose will be to understand how the form works and is structured by its dual, but sometimes competing, interests in the verbal and the visual, and to think about distinct styles of illustration. We will also think about how landmark examples have shaped the form. Working with software designed for the purpose, students will use photographs to produce short comics of their own. Possible texts include: Alan Moore, *Watchmen*; Art Spiegelman, *Maus*; Chris Ware, *Jimmy Corrigan*; Alison Bechdel, *Fun Home*.3 hrs. lect. **LIT, NOR** (M. Newbury)

## AMST0307 Issues in Critical Disability Studies: U.S. and the World (Fall 2016)

Disability as a category and as lived experience plays an important but often overlooked role in national, transnational, and global contexts. In this course we will explore disabilityâs changing meanings in the United States and around the World. Comparative and transnational approaches will draw our attention to disabilityâs many meanings across wide-ranging historical, cultural, and geographical settings. Foundational concepts and principles, including ableism and Universal Design, shape our critical inquiry. Key themes frame the course: access, language, power, violence, normalcy, identity, community, institutions, and rights and justice. We will engage with diverse primary sources, from memoirs and documentary films to advertisements, material objects, and oral histories. **CMP, HIS, NOR, SOC** (S. Burch)

## AMST0310 Livin' for the City (Fall 2016)

In this course we will engage the idea of the "ghetto" as constructed through literature, film, music, and television. Our exploration will relate this concept to geographic spaces and to a socially-constructed set of ideas about urban African American spaces and communities. We will combine critical textual analysis with fundamental concepts from human geography and social history to explore shifting conceptions of the âghettoâ, consider its impact on urban African American space, and examine how the responses of urban black American artists affect, resist, and change its imaginative geography. 3 hrs. lect./disc. **CMP, NOR, SOC** (W. Nash)

## AMST0339 Home: The Why Behind the Way We Live (Spring 2017)

In this course we will examine the development of numerous housing types in America (with references to Europe). The prevalence of the single-family home today and its importance as the symbol of the âAmerican dreamâ was never a forgone conclusion. In fact, the American home has been the focus of and battleground for cooperative movements, feminism, municipal socialism, benevolent capitalism, and government interventions on a national scale. 3 hrs. sem.

**ART, HIS, NOR** (E. Foutch)

## AMST0340 Telling Stories: Oral History Methods and Practice (Spring 2017)

In this course we will explore historical and contemporary issues in U.S. society through oral history. Key themes include: community, history, memory, power, identity, and social movements. We will practice the craft of conducting and documenting life stories interviews, paying close attention to ethical and technological issues. Readings, documentary films, NPR-StoryCorps projects, archives, and museum exhibits grounded in oral history will serve as texts to explore diverse ways of using and thinking about this dynamic source of knowledge. Collaborative projects will provide opportunities to pursue original research anchored in oral histories. With the permission of interviewees, digitally recorded interviews and related materials created during this course will be donated to Middleburyâs Special Collections. 3 hrs. lect. **HIS, NOR, SOC** (S. Burch)

## AMST0345 Black Lives Matter (Spring 2017)

What political and cultural tactics have black people employed to expose, challenge, and undo state-sanctioned and extrajudicial racial violence against black bodies, and how have those tactics changed over time? In this course we will examine how the emergent #blacklivesmatter movement is distinct from, but in direct conversation with, the long history of movements committed to racial justice in America. We will discuss the discourse of #blacklivesmatter in popular media, and its incorporation of black feminist and queer resistance to social and material structures of power. Interdisciplinary texts may include Marc Lamont Hillâs Nobody: Casualties of Americaâs War on the Vulnerable, From Ferguson to Flint and Beyond (2016), Dorothy Robertsâ Killing the Black Body (1998), and Ida B. Wells-Barnettâs classic Southern Horrors: Lynch Law in All Its Phases (1892). 3 hr. lect. **HIS, NOR, SOC** (J. Finley)

## AMST0355 Theories of Popular Culture (Fall 2016)

This course introduces a range of theoretical approaches to study popular culture, exploring the intersection between everyday life, mass media, and broader political and historical contexts within the United States. We will consider key theoretical readings and approaches to studying culture, including ideology and hegemony theory, political economy, audience studies, subcultural analysis, the politics of taste, and cultural representations of identity. Using these theoretical tools, we will examine a range of popular media and sites of cultural expression, from television to toys, technology to music, to understand popular culture as a site of ongoing political and social struggle. (Formerly AMST/FMMC 0275) (FMMC 0102 or FMMC 0104 or FMMC 0236 or AMST 0211) 3 hrs. lect./disc./3 hrs. screen. **SOC** (J. Mittell)

## AMST0400 Theory and Method (Fall 2016)

Theory and Method in American Studies (Junior Year)
A reading of influential secondary texts that have defined the field of American Studies during the past fifty years. Particular attention will be paid to the methodologies adopted by American Studies scholars, and the relevance these approaches have for the writing of senior essays and theses. (Open to junior American studies majors only.) 3 hrs. lect./disc. (H. Allen)

## AMST0408 American Art in Context: Art and Life of Winslow Homer (Fall 2016)

Although generally regarded as a popular painter of American life, Winslow Homer often provides a penetrating and sometimes disturbing view of post-Civil War America. Among the topics to be considered: Homer's paintings of the Civil War; his illustrations of leisure and recreation; and his depictions of women and children in the Gilded Age. During the second half of the course, we will turn our attention to Homer's landscape paintings of the Adirondacks, the Caribbean and the Maine coast, as well as his seascapes of the Gulf Stream and the North Atlantic. 3 hrs. lect./disc. **ART, HIS, NOR** (C. Wilson)

## AMST0420 Visual Cultures of the Americas (Fall 2016)

From murals to monuments and telenovelas to veladoras, this bilingual [Spanish/English] seminar will explore the role of visual expression in the history of cultural formation throughout the Americas. We will take a hemispheric and transnational approach to our studies. As such, two related premises inform the material we will examine: images traverse the boundaries of nation-states, and they are intrinsically tied to the developments of modern history. We will combine theoretical works with a variety of still and moving images (artifacts of mass culture, photography, artwork, film, mixed media, and performance) to study the relationship between "visuality" and flows of culture throughout Latin and Anglo Americas. This course is equivalent to IGST 0420. 3 hr. sem. **ART, CMP** (R. Lint)

## AMST0500 Independent Study (Fall 2016, Spring 2017)

Select project advisor prior to registration.

## AMST0705 Senior Research Tutorial (Fall 2016)

This seminar will focus on the development of sophisticated research skills, the sharing with peers of research and writing in progress, and the completion of a substantial research project. Those writing one-credit essays will complete their projects over the course of this tutorial. (R. Joo)

## AMST0710 Honors Thesis (Fall 2016, Spring 2017)

For students who have completed AMST 0705, and qualify to write two-credit interdisciplinary honors thesis. on some aspect of American culture. The thesis may be completed on a fall/winter schedule or a fall/spring schedule. (Select a thesis advisor prior to registration)

### Arabic

The Arabic major requires four years of language study or their equivalent. Majors must also choose one disciplinary concentration: Arabic literature, Arabic linguistics, or a well-defined course of study with a focus on the Arab world. Each disciplinary concentration requires the completion of at least three content courses, including one introductory methods course specific to the chosen discipline.Majors are also required to prepare a project or a thesis for their senior capstone experience.

**Major in Arabic: (Minimum number of courses: 13, including required senior work)**

Students majoring in Arabic must take:

1) Arabic language through ARBC 0302 or the equivalent: ARBC 0101, ARBC 0102, ARBC 0103, ARBC 0201, ARBC 0202, ARBC 0301, ARBC 0302;

2) Two courses in Arabic at the 0400-level, at least one of which is taken at Middlebury Colleges Vermont campus. Arabic 0400-level courses taken at a Middlebury school abroad site require departmental approval of the syllabus and a dossier of all written work (normally consisting of at least two exams and eight typed pages of Arabic);

3) One of the following:

a. ENAM 0205, plus two additional courses in Arabic literature taken at Middlebury Colleges Vermont campus (for students pursuing senior work in literature);

**or**

b. One of LNGT 0101, LNGT 0102 or LNGT 0109, plus two additional courses in Arabic linguistics taken at Middlebury Colleges Vermont campus (for students pursuing senior work in linguistics);

**or**

c. Students may structure their own disciplinary focus within the Arabic major in consultation with their major advisor by providing a well-defined course of study that must include (i) one introductory methods course specific to the chosen discipline (in English); and (ii) two disciplinary electives bearing the ARBC prefix (in Arabic or English), taken at Middlebury Colleges Vermont campus.

4) Students must spend at least one semester at a Middlebury school abroad site.The Arabic Department strongly recommends that students spend a full year abroad. Students studying abroad for a full academic year may count at most one course taken abroad towards the disciplinary elective requirements, subject to prior approval of their major advisor and contingent upon submission of the syllabus and a dossier of all written work (normally consisting of at least two exams and six typed pages of Arabic).

A major may count 400-level courses towards the fulfillment of the disciplinary electives once the 400-level language course requirement in #2 is complete.

**Senior Work**: Majors are required to prepare a one-term senior project (ARBC 0700), or a two-term thesis (ARBC 0700/0701, taken in Fall and Winter or Winter and Spring). Senior projects and theses may be written in English, but must demonstrate significant use of Arabic sources. Senior theses will include a 2000-word summary in Arabic.

Departmental honors are determined by a combination of thesis grade andgrade point average in courses taken at the Arabic Program at Middlebury College, the Middlebury summer Arabic School, and Middlebury Colleges study abroad sites.

**Joint Major**:Joint majors with other departments must: 1) complete Arabic language coursework through ARBC 0302 or the equivalent prior to the commencement of senior work, 2) take, at Middlebury Colleges Vermont campus, two courses related to Arabic literature, Arabic linguistics, or another well-defined disciplinary focus in consultation with their Arabic advisor,

and 3) complete a senior project that explicitly engages the scholarly methodologies of both departments.

**Minors in Arabic**: The Arabic Department offers two minors.

(a) **The Arabic Minor** requires 1) studying Arabic language through ARBC 0302 or the equivalent; and 2) taking two other courses related to Arab culture (cinema, literature, pop-culture, etc.) or Arabic linguistics. Only one of the two courses on Arab culture or Arabic linguistics may be taken abroad. (See above for guidelines regarding courses taken at schools abroad and at the summer Language Schools.)

(b) **The Minor in Arabic Studies** requires taking five courses with the ARBC prefix, excluding ARBC 0101, 0102, 0103, 0201, 0202, 0301, and 0302.

## ARBC0101 Beginning Arabic I (Fall 2016)

The goal of this course is to begin developing reading, speaking, listening, writing, and cultural skills in Arabic. This course stresses written and oral communication, using both formal Arabic and some Egyptian dialect. Emphasis is also placed on reading authentic texts from Arabic media sources, listening to and watching audio and video materials, and developing students' understanding of Arab culture. 6 hrs lect/disc. **LNG** (S. Liebhaber, U. Soltan)

## ARBC0103 Beginning Arabic III (Spring 2017)

This course is a continuation of ARBC 0102. 6 hrs. lect/disc (ARBC 0102 or equivalent) **LNG** (U. Soltan)

## ARBC0201 Intermediate Arabic I (Fall 2016)

This course is a continuation of ARBC 0103. Emphasis is placed on reading authentic materials from Arabic media, expanding students' vocabulary, listening to and watching audio and video materials, and developing students' understanding of Arab culture and communicative competence. (ARBC 0103 or equivalent) 6 hrs. lect/disc **LNG** (D. Ayoub, U. Soltan)

## ARBC0202 Intermediate Arabic II (Spring 2017)

This course is a continuation of Arabic 0201. Fifth in a series of courses that develop reading, speaking, listening, writing, and cultural skills in Arabic. This course stresses communication in formal and spoken Arabic. (ARBC 0201 or equivalent). 6 hrs. lect/disc **LNG** (D. Ayoub)

## ARBC0210 Arabia: A Literary Approach (in English) (Fall 2016)

In this course we will examine the Arabian Peninsula as a literary topos that has beguiled representation in both Eastern and Western literature. Whether it is depicted as a glittering spectacle of petro-dollars, the haunt of Bedouin tribesmen or as a sacred focal point, Arabia is an open canvas on which successive societies have sketched their anxieties and aspirations Simultaneously, Arabia has its own rich legacy of self-representation that has been shaped by its harsh environment and unique resources. We will sift through these representations in texts that

range among pre-Islamic poetry, the accounts of foreign explorers, novels by modern Arab authors, and contemporary Bedouin oral poetry. All readings will be in English and no previous knowledge of Arabic is required. 3 hrs. sem. **AAL, CW, LIT** (S. Liebhaber)

## ARBC0245 Human-Environment Relations: Middle East (Spring 2017)

In this course we will begin with an environmental history of Iraq, Syria, and Lebanon, asking such questions as: How does politics affect conservation practice? To what extent are formulations of nature constructed socially and politically? Whose rights are affected by protected areas and who decides governance criteria? The objectives of this course include providing students with an understanding of human-environment relations theory by addressing the regional specifics of modern environmental and social histories of these countries. We will look at animals, water, and forests in the literature of NGOs, UNEP reports, media, policy papers, and the academic literature. (One of the following: ENVS 0112, GEOG 0100, IGST 0101, SOAN 0103; Or by approval) 3 hrs. lect. **AAL, SOC** (R. Greeley)

## ARBC0301 Advanced Arabic 1 (Fall 2016)

A continuation of Arabic 0202. This course aims to help students reach an intermediate-high level of proficiency in reading, speaking, writing, listening, and culture. Readings include articles on cultural, social, historical, political and literary topics. (ARBC 0202 or equivalent) 3 hrs. lect/disc **LNG** (R. Greeley)

## ARBC0302 Advanced Arabic II (Spring 2017)

This course is a continuation of Arabic 0301. It aims to help students reach an advanced level of proficiency in reading, speaking, and writing Arabic, as well as to develop further an understanding of Arab culture. Readings include articles on cultural, social, historical, political, and literary topics. Course will be conducted entirely in Arabic. (ARBC 0301 or equivalent) 3 hrs. lect/disc. **LNG** (S. Liebhaber)

## ARBC0412 Contemporary Arab Cinema (Fall 2016)

This course will present an overview of contemporary Arab cinema, exploring the way in which this cinema reflects the dynamics of political, economic, and social change in modern Arab societies. The course will be conducted exclusively in Arabic and will involve reading texts that present an overview of contemporary Arab cinema as well as texts analyzing notable and award-winning Arabic films. (ARBC 0302) **LNG** (D. Ayoub)

## ARBC0431 The Environmental Middle East: Forests, Rivers, and Peoples (Spring 2017)

In this course we will examine the environmental history of the Middle East and contemporary conservation practices in this region, focusing on four environmental case-studies: a contemporary conservation project in Lebanon, the Ghuta Forest of Damascus, the GAP dam project in Syria, and the marshes of Southern Iraq. We will consider these sites of contested power relations, cultural practice, and memory through the lenses of political and environmental

essays, academic critiques, policy papers, historical documents, current media, and literary works. The objectives of this course: to provide students with a solid grasp of contemporary Middle Eastern environmental history, to address the key elements of cultural practice in each geographic area, and to achieve advanced proficiency in Arabic, including a mastery of environmental terminology. (ARBC 0302 or equivalent) 3 hrs. sem. **AAL, LNG, SOC** (R. Greeley)

## ARBC0500 Independent Study (Fall 2016, Spring 2017)

(Approval Required)

## ARBC0600 Senior Project (Spring 2017)

## ARBC0700 Senior Thesis I (Fall 2016, Spring 2017)

Approval required.

## ARBC0701 Senior Thesis II (Fall 2016, Spring 2017)

Approval required.

### Biology

***Requirements for the Biology Major*:** Requirements for the biology major encourage both breadth across the subdisciplines of biology as well as depth in at least one subdiscipline. The introductory sequence includes two courses, BIOL 0140 Ecology and Evolution and BIOL 0145 Cell Biology and Genetics, both of which are designed for students in their first year at the college who are considering a major in the life sciences, or for whom an in-depth coverage of the life sciences is of interest.

***Requirements for the twelve course biology major are as follows:***

BIOL 0140Ecology and Evolution
BIOL 0145Cell Biology and Genetics
BIOL 0211 Experimental Design and Data Analysis

Two organismal courses from among BIOL 0201 Invertebrate Biology, BIOL 0202 Comparative Vertebrate Biology, BIOL 0203 Biology of Plants, and BIOL 0310 Microbiology.

A college-level chemistry course with laboratory [NOTE: AP credit in chemistry or a bypass examination *cannot* be used to satisfy this requirement].

Six biology electives from the 0200-0701 level, and BIOL/MBBC 0324, with the following restrictions: (a) at least two electives must include a laboratory section; and(b) no more than one semester of independent research (BIOL 0500, BIOL 0700, or BIOL 0701 may count as elective credit toward the major.

***Guidelines and Restrictions Relevant to the Selection of Courses for the Major:***
It is expected that the core courses (BIOL 0140 and BIOL 0145)will be completed by the end of the third semester. BIOL 0140 is not open to seniors & second semester juniors in the Fall.

Students with strong high school preparation may take theBIOL 0140or BIOL 0145 placement

exam and if successful will be permitted to take 0200 and 0300-level courses.

Except for transfer students, BIOL 0140 and BIOL 0145 must be taken at Middlebury College.

The course in experimental design and data analysis (BIOL 0211) should be taken by the end of the sophomore year.

Departmental courses offered with laboratories must be taken with the laboratory to satisfy major or joint major requirements.

Electives may include only one semester of independent research (BIOL 0500, BIOL 0700, or BIOL 0701), and two winter term courses designated for major credit (not including BIOL 0211).

A maximum of three courses taken off campus may be credited toward completion of the major or joint major. This includes courses taken at the Marine Biological Laboratory at Woods Hole. No BIOL 0500, BIOL 0700, or BIOL 0701 will be granted for independent study projects conducted during off-campus study programs.

Except for transfer students, off-campus biology courses must be beyond the introductory level.

When a course is offered at Middlebury with a lab or prerequisites, an equivalent off-campus course must also include a lab or prerequisites.

***Requirements for a Minor in Biology:*** BIOL 0140 and BIOL 0145, and three elective courses from 0200-, 0300-, and 0400-level courses in the department, and BIOL/MBBC 0324. One of the electives must be an organismal course (BIOL 0201, 0202, 0203, or 0310), AND one of which must be at the 0300 or 0400 level.

***Guidelines and Restrictions for the Minor:***
Except for transfer students, BIOL 0140andBIOL 0145 must be taken at Middlebury College.

The three electives need to be related thematically.

When a course is offered at Middlebury with a lab or prerequisites, an equivalent off-campus course must also include a lab or prerequisites.

Transfer credit for a course will be given only after the department chair reviews the course material upon a student's return to campus. (See guidelines for transfer credit.)

***Joint Major:*** The Department of Biology does not offer a joint major other than the joint major in Biology and Environmental Studies described below.

***Requirements for the Molecular Biology and Biochemistry Major****:* See the listing for the Program in Molecular Biology and Biochemistry for a description of this major.

***Requirements for the Neuroscience Major:*** See the listing for the Program in Neuroscience for a description of this major.

***Requirements for the Joint Major with Environmental Studies:*** See the listing for the conservation biology focus under the Program in Environmental Studies.

***Graduate or Professional Training*****:** Students considering graduate or professional school in the life sciences should note that many programs require a year of inorganic chemistry (CHEM 0203 or 0241; CHEM 0204 or 0242), a year of organic chemistry (CHEM 0241, 0242), a year of physics (PHYS 0109, 0110), and a year of calculus (MATH 0121, 0122) for admission. Students

are therefore strongly encouraged to meet with their faculty advisors early in their undergraduate career so the advantages of taking additional courses in the natural sciences can be discussed.

***Departmental Honors:*** Students with an average of 3.5 or higher in departmental courses other than BIOL 0500, BIOL 0700, and BIOL 0701 are eligible for departmental honors, for which successful completion of BIOL 0701 is also required (see below). The Biology Department awards two levels of honors: honors and high honors.

***Criteria for Honors:*** Students with an average of 3.5 or higher in departmental courses (other than BIOL 0500, BIOL 0700, and BIOL 0701) and a grade of A- or above on their thesis will be awarded honors.

***Criteria for High Honors:*** High honors will be awarded to students who meet all of the criteria for honors and who, in addition, have completed theses of *exceptionally high quality*. Determination of honors or high honors is based on a formal recommendation from the thesis committee, and requires the approval of the Biology Department faculty.

The thesis process is described in detail in the Student & Faculty Research portion of the departmental website, and all students interested in conducting thesis research should read that section of the website in detail. Normally, research for thesis projects begins during the first term of a student's senior year (or during the preceding summer). Students interested in field research should talk with a faculty member by winter term of their junior year. All other prospective thesis students should consult with prospective advisors concerning possible thesis projects by spring term of their junior year. Thesis projects must be of at least two terms' duration (one term of BIOL 0500 or BIOL 0700 and one of BIOL 0701) and result in the production of a written thesis, a public presentation of the thesis research, and an oral defense of the thesis before a committee of at least three faculty members. With instructor approval, independent research conducted during the summer may be considered as a substitute for the first term of the project. In such cases, the off-campus work would satisfy the BIOL 0500 or BIOL 0700 prerequisite for enrollment in BIOL 0701, but would not itself be credit-bearing. The thesis grade reflects performance in all aspects of the thesis process. Note that although completion of a thesis is one prerequisite for receiving honors, students may undertake a thesis regardless of whether they meet the other criteria for honors.

***Advanced Placement Credit*:** Middlebury College grants one college credit for a score of 5 on the biology advanced placement exam. However, because the biology department does not offer any introductory course that is the equivalent of an AP biology course, advanced placement credit does not exempt a student from any of the published requirements for the major, minor, or joint majors, nor can it satisfy the college's distribution requirement.Placement exams for BIOL 0140 and 0145 are offered before each semester. Passing these placement exams allows students to enroll in classes for which BIOL 0140 or 0145 is a prerequisite. (NOTE: Students may only take a bypass exam once.)

***International Baccalaureate (IB):*** Students who have or anticipate applying IB credit to completion of the Middlebury College degree and who plan toenroll inBiology courses during their undergraduate career must first take the Biology Department bypass exams (for BIOL 0140 and BIOL 0145) in order to determine proper placement. (NOTE: Students may only take a bypass exam once.)

***Off-Campus Study*:** Students interested in taking biology courses off campus are strongly encouraged to discuss their plans with theiradvisor early in their college careers. Students

should see the "Guidelines and Restrictions" section under the requirements heading for the biology majorto learn more about obtaining transfer credit. Students seeking approval for biology courses taken off campus should be prepared, upon their return, to document course content with syllabi and class notes.

## BIOL0140 Ecology and Evolution (Fall 2016, Spring 2017)

In this introduction to ecology and evolutionary biology we will cover the topics of interspecific interactions (competition, predation, mutualism), demography and life-history patterns, succession and disturbance in natural communities, species diversity, stability and complexity, causes of evolutionary change, speciation, phylogenetic reconstruction, and population genetics. The laboratory component will examine lecture topics in detail (such as measuring the evolutionary response of bacteria, adaptations of stream invertebrates to life in moving water, invasive species and their patterns of spread). We will emphasize experimental design, data collection in the field and in the laboratory, data analysis, and writing skills. This course is not open to seniors and second semester juniors in the Fall. 3 hrs. lect./disc./3 hrs. lab **DED, SCI** (Fall 2016: D. Allen; Spring 2017: C. Frare)

## BIOL0145 Cell Biology and Genetics (Fall 2016, Spring 2017)

In this introduction to modern cellular, genetic, and molecular biology we will explore life science concepts with an emphasis on their integral nature and evolutionary relationships. Topics covered will include cell membrane structure and function, metabolism, cell motility and division, genome structure and replication, the regulation of gene expression and protein production, genotype to phenotype relationship, and basic principles of inheritance. Major concepts will be illustrated using a broad range of examples from plants, animals, and microorganisms. Current topics in biology will be integrated into the course as they arise. 3 hrs. lect./3 hrs. lab **DED, SCI** (Fall 2016: J. Ward; Spring 2017: C. Combelles)

## BIOL0201 Invertebrate Biology (Fall 2016)

The study of invertebrate animals, which comprise more than 90 percent of all animal species and represent the most diverse approaches to life on earth. A wide variety of protozoans, cnidarians, echinoderms, mollusks, crustaceans, arachnids and insects are examined. Animals are studied both in the field and the lab.. Emphasis is upon their taxonomy, phylogeny, ecology, behavior, and adaptations to various habitats. . Specialized topics include regeneration, parasitology, agricultural and medical applications, and invertebrates in the arts and literature. Oral and written reports are required. (BIOL 0140) 3 hrs. lect./3 hrs. lab **SCI** (T. Root)

## BIOL0203 Biology of Plants (Fall 2016)

An introduction to plants, their life cycles, and their relationships to each other, as well as to the animals that pollinate them, disperse their fruits, and eat them. We will discuss morphology, physiology, evolution, and natural history of plants (mosses, ferns, gymnosperms, angiosperms). The laboratory will emphasize plant identification, various aspects of plant ecology and physiology, plant morphology, and plant use by humans. Students will complete a Community Service component, such as completing a forest inventory for a local forest, assisting with the campus tree map, or help with seed-saving measures at the College Organic Garden. Field trips

will be the norm early in the semester. (BIOL 0140 and BIOL 0145) 3 hrs. lect./3 hrs. lab **SCI** (H. Young)

## BIOL0211 Experimental Design and Statistical Analysis (Fall 2016)

Experimental design is one of the most important parts of doing science, but it is difficult to do well. How do you randomize mice? How many replicate petri plates should be inoculated? If I am measuring temperature in a forest, where do I put the thermometer? In this course students will design experiments across the sub-areas of biology. We will run student designed experiments, and then learn ways to analyze the data, and communicate the results. Students planning to do independent research are encouraged to take this course. (This course is not open to students who have taken MATH 0116 or PSYC 0201 or ECON 0210) **DED** (C. Frare)

## BIOL0216 Animal Behavior (Spring 2017)

The behavior of animals primarily from an ethological perspective, with respect to genetics, physiology, evolution, and other biological factors. The course follows the history and methods of studying individual and social behaviors like feeding, courtship, mating, parental care, defense, predation, and migration. We examine live animals in the field and lab to illustrate such processes as instinct, learning, and communication. Discussion topics address recent research, and students design their own research projects. Oral, and written reports are required. (BIOL 0140 or BIOL 0145) 2.5 hrs. lect./1 hr. video screen./3 hrs. lab **SCI** (T. Root)

## BIOL0270 Neural Disorders (Fall 2016)

**Neural Disorders**
Neuroscience is one of the most rapidly progressing sciences, and recent scientific and clinical studies alter how we view both the brain and ourselves. In this course we will examine the human nervous system and problems that arise when the nervous system goes awry. Readings and discussions will include popular writings as well as primary literature to focus on disorders such as multiple sclerosis, autism, Alzheimer's disease, depression, and Parkinsonism. Students read for each meeting from the current literature, and prepare in-depth class presentations on topics of their choosing. (BIOL 0145 or PSYC 0105) **SCI** (T. Root)

## BIOL0280 Immunology (Fall 2016)

In this course we will explore the human immune system and how it works to protect the body from infection. Students will be introduced to the cells and molecules of the immune system and how they work together to protect the host from foreign invaders. We will focus on the cellular and molecular mechanisms of innate immunity before exploring the cellular and genetic principles that underlie the adaptive immune response. Finally, we will investigate how innate and adaptive immunity work together to combat infection and how disease can arise from inadequacies in this coordinated host response. (BIOL 0145) **SCI** (G. Spatafora)

## BIOL0302 Vertebrate Natural History (Fall 2016)

This course deals with the natural history of vertebrates in the context of the forests, fields,

wetlands, and rivers of western Vermont. We will explore in depth the taxonomy of the local vertebrate fauna; techniques for capturing and handling live animals, particularly birds, mammals, and fish; and address experimentally specific questions about the distribution and abundance of vertebrates in a range of natural plant communities. Topics considered will include conservation biology, population and community ecology, and behavior. Field work will involve several early morning and weekend trips. (BIOL 0140) 6+ hrs. lab/field. **SCI** (S. Trombulak)

## BIOL0304 Aquatic Ecology (Fall 2016)

This field course will introduce students to the freshwater aquatic ecosystems of the northeastern U.S., including lakes, streams, rivers, and wetlands. We will explore the ecological processes that dominate these systems, the organisms that inhabit them, and the ecological techniques central to their study. Field exercises will include trips to many aquatic ecosystems in the region; experience with sampling techniques for measurement of physical, chemical, and biological features; and experimental design for answering questions about the relationships among species and between species and their environment. (BIOL 0140) 3 hrs. lect./3 hrs. lab. **CW, SCI** (S. Sheldon)

## BIOL0305 Developmental Biology (Fall 2016)

Have you ever wondered how an embryo develops from a simple fertilized egg to a complex adult? This course explores this question, examining the preparation and initiation of development (gametogenesis, fertilization, cleavages, and gastrulation), the formation of embryonic structure (morphogenesis), the creation of embryonic pattern (pattern formation), and the control of gene expression during embryogenesis. In lab, students will design and carry out experiments at the cutting edge of developmental biology, incorporating modern cellular, molecular, and genetic techniques with classical embryological approaches. Fundamental mysteries of development will be investigated in model organisms that best illustrate each process. (BIOL 0140 and BIOL 0145) 3 hrs. lect./4 hrs. lab **SCI** (C. Combelles)

## BIOL0310 Microbiology (Fall 2016)

The microbiological principles emphasized in this class will provide students with a foundation for advanced study in many areas of contemporary biology. The course will integrate basic and applied aspects of microbiology into a study of the prokaryotic microorganisms. General principles of bacterial cell structure, function, and the role of microorganisms in industry, agriculture, biotechnology, and disease will be discussed. An independent laboratory project will stress basic microbiological techniques as applied to the isolation, characterization, and identification of microorganisms from the natural environment. (BIOL 0140 and BIOL 0145 and CHEM 0203) 3 hrs. lect./4 hrs. lab./1 hr. prelab. **SCI** (G. Spatafora)

## BIOL0314 Molecular Genetics (Spring 2017)

This course will focus on the structure and function of nucleic acids in both prokaryotes and eukaryotes. Lectures will center on molecular mechanisms of mutation, transposition, and recombination, the regulation of gene expression, and gene control in development, immune diversity and carcinogenesis. Readings from the primary literature will complement the textbook and classroom discussions. The laboratory will provide training in both classic and contemporary molecular-genetic techniques including nucleic acid isolation and purification, cloning,

electroporation, nick-translation, Southern/Northern blotting, DNA sequencing, PCR and RT-PCR. (BIOL 0140 and BIOL 0145 or waiver) 3 hrs. lect./4 hrs. lab./1 hr. prelab. **SCI** (G. Spatafora)

## BIOL0323 Plant Community Ecology (Spring 2017)

This course will explore the structure and dynamics of plant communities, with a particular emphasis on temperate forest communities. We will investigate patterns in community diversity and structure, explore how plant populations and plant communities respond to environmental disturbances, and investigate the effects of anthropogenic influences (climate change, introduced species, habitat conversion) on plant communities. Labs will emphasize fieldwork at local research sites, and will provide exposure to techniques of experimental design in plant ecology and basic approaches to describing plant community structure and dynamics. (BIOL 0140) 3 hrs. lect./3 hrs. lab. **SCI** (D. Allen)

## BIOL0324 Bioinformatics and Genomics (Spring 2017)

Bioinformatics and genomics are quickly evolving fields that analyze and contextualize genome sequencing data. Genomics is the study, with an emphasis on high-throughput techniques, of the nucleic acid content of organisms. Bioinformatics is the interdisciplinary field that uses the techniques of statistics, computer science, and system organization to interpret this genomic data. In this course students will use national repositories of genomic information, databases, and open-source bioinformatics tools to visualize and manipulate genomic data. We will also explore genomicsâ larger social context, particularly as it relates to medical informatics. (CHEM 0104 or CHEM 0107 and BIOL 0145 or by waiver) 3 hrs. lect. **DED, SCI** (J. Ward)

## BIOL0370 Animal Physiology (Fall 2016)

This course examines the body functions of animals and humans using general physiological principles and a comparative approach. Lectures will cover the function of each of the major physiological systems (nervous, endocrine, muscular, etc.) and will describe how animal physiology has been shaped by evolution to allow animals to survive in a wide range of environmental conditions. Lectures will focus mainly on physiological processes occurring at the molecular, cellular, and organismal levels. Occasional journal article discussions will provide case studies of current topics in animal physiology. Laboratory exercises, reports and oral presentations emphasize experimental design, analysis and independent study using various methodological approaches including electrophysiology, neurotransmitter manipulations, nutritional analysis, and exercise physiology. (BIOL 0140 and BIOL 0145). 3 hrs. lect/disc., 3 hrs. lab. **SCI** (G. Ernstrom)

## BIOL0392 Conservation Biology (Spring 2017)

This course will focus on advanced topics in applied ecology and population genetics as they relate to the protection and restoration of biological integrity in the natural world. Emphasis will be placed on in-depth exploration of current issues, such as the design of nature reserves, genetic and demographic factors associated with population decline, metapopulation analysis, connectivity, and large-scale ecological processes. This course will involve reading from the primary literature, discussion, computer modeling, and writing assignments, and will build upon the information presented in the prerequisite courses. (BIOL 0140) **SCI** (S. Trombulak)

## BIOL0395 Advanced Evolution (Fall 2016)

This course will examine in depth many special topics in evolutionary biology: genetic variation in natural populations, field and laboratory investigations of natural selection, special problems of small populations, evolution at the molecular level, sexual selection, evolution of senescence, and population genetics. Current theories will be explored through readings of primary literature and the textbook. Each student will conduct an independent research project on a topic of their choosing. (BIOL 0140 and BIOL 0145) 3 hrs. lect./disc. **SCI** (H. Young)

## BIOL0480 Neurobiology (Spring 2017)

Neuroscience is one of the most rapidly progressing sciences, and recent scientific and clinical studies change how we view the human brain. We will examine the nervous system from the most basic biological levels: genes, molecular signaling, cells, and neural networks. Through primary and secondary literature we will focus primarily upon simple nervous systems and simple circuits. Students will choose selected topics and give in-depth presentations and lead discussions. By this approach we will learn about the methods of the most current research, and how our brain controls our body and behavior (BIOL 0370 or NSCI 0251). 3 hrs. sem. **SCI** (T. Root)

## BIOL0500 Independent Study (Fall 2016, Spring 2017)

In this course students complete individual projects involving laboratory and/or field research or extensive library study on a topic chosen by the student and a faculty advisor. Prior to registering for BIOL 0500, a student must have discussed and agreed upon a project topic with a member of the Biology Department faculty. Additional requirements include participation in weekly meetings with disciplinary sub-groups and attending all Biology Department seminars. This course is not open to seniors; seniors should enroll in BIOL 0700, Senior Independent Study. (Approval required) 3 hrs. disc.

## BIOL0700 Senior Independent Study (Fall 2016, Spring 2017)

In this course students complete individual projects involving laboratory and/or field research or extensive library study on a topic chosen by the student and a faculty advisor. Prior to registering for BIOL 0700, a student must have discussed and agreed upon a project topic with a member of the Biology Department faculty. Additional requirements include participation in weekly meetings with disciplinary sub-groups and attending all Biology Department seminars. (Approval required; open only to seniors) 3 hrs. disc.

## BIOL0701 Senior Thesis (Fall 2016, Spring 2017)

Seniors majoring in Biology who have completed one or more semesters of BIOL 0500 or BIOL 0700 and who plan to complete a thesis should register for BIOL 0701. In this course students will produce a written thesis, deliver a public presentation of the research on which it is based, and present an oral defense of the thesis before a committee of at least three faculty members. Additional requirements include participation in weekly meetings with disciplinary sub-groups and attending all Biology Department seminars. Open to Biology and joint

Biology/Environmental Studies majors. (BIOL 0500 or BIOL 0700 or waiver; instructor approval required for all students) 3 hrs. disc

## Chemistry & Biochemistry

**I. *Majors*:** Students can elect to major in chemistry, biochemistry, environmental chemistry (joint major), or molecular biology and biochemistry.

**II. *Course Requirements*:**

***Chemistry:***MATH 0121*, MATH 0122*, PHYS 0109*, PHYS 0110*, CHEM 0103*, CHEM 0104 (or CHEM 0107), CHEM 0203 (or CHEM 0241), CHEM 0204 (or CHEM 0242), CHEM 0311, and either CHEM 0351 or CHEM 0355, and twoelectives chosen, with an advisors approval, from 0200-, 0300- or 0400- courses the Chemistry and Biochemistry Department or GEOL 0323. Independent study courses (CHEM 0400, CHEM 0500, CHEM 0700, or CHEM 0701) cannot count as electives.
***Honors in Chemistry:***MATH 0121*, MATH 0122*, PHYS 0109*, PHYS 0110*, CHEM 0103*, CHEM 0104 (or CHEM 0107), CHEM 0203 (or CHEM 0241), CHEM 204 (or CHEM 0242), CHEM 0311, CHEM 0312, CHEM 0351, CHEM 0355, CHEM 0431, CHEM 0400, CHEM 0701.
***Biochemistry:***MATH 0121*, MATH 0122*, PHYS 0109*, PHYS 0110*, CHEM 0103*,CHEM 0104 (or CHEM 0107), CHEM 0203 (or CHEM 0241), CHEM 204 (or CHEM 0242), CHEM 0313, CHEM 0322, and two electives chosen, with an advisors approval, from 0200-,0300- or 0400-level courses in the Chemistry and Biochemistry Department or BIOL 0314. Independent study courses (CHEM 0400, CHEM 0500, CHEM 0700, or CHEM 0701) cannot count as electives.
***Honors in Biochemistry:***MATH 0121*, MATH 0122*, PHYS 0109*, PHYS 0110*, CHEM 0103*, CHEM 0104 (or CHEM 0107), CHEM 0203 (or CHEM 0241), CHEM 204 (or CHEM 0242), CHEM 0311, CHEM 0313, CHEM 0322, CHEM 0355, CHEM 0425, CHEM 0400, CHEM 0701.
***Environmental Chemistry:*** See the listing for the Environmental Chemistry focus under the Program in Environmental Studies. http://www.middlebury.edu/academics/es/requirements

***Molecular Biology and Biochemistry:*** See Program in Molecular Biology and Biochemistry. http://www.middlebury.edu/academics/mbb

*Students may receive credit for courses indicated by an asterisk with a satisfactory score on the advanced placement examination for that subject. Students who have scored a 4 or 5 on the advanced placement examination in chemistry are awarded a course credit for CHEM 0103 and may enroll in CHEM 0107 (strongly encouraged) or CHEM 0104. Students who do not have an AP score of 4 or 5, but have a strong background in chemistry should take the departments online placement examination (moodle.middlebury.edu) to determine if they are prepared for CHEM 0104 or CHEM 0107. Those students who achieve a satisfactory score on the placement examination will be encouraged to register for CHEM 0104 or CHEM 0107, but will not receive credit for CHEM 0103.

**III. *Independent Research and Senior Thesis Program:*** Many students participate in independent research (CHEM 0500 or CHEM 0700) or complete senior thesis projects (CHEM 0400 and CHEM 0701). Students who are interested in completing a senior thesis project should meet with their academic advisor for guidance in seeking a research advisor no later than winter term of their junior year. Although required for departmental honors, students may also participate the senior thesis program without pursuing honors and the associated coursework.

**IV. *Eligibility for Honors in Chemistry or Biochemistry:*** Students who successfully complete the honors courseworkincluding the senior thesis programwith a minimum grade point

average of 3.20 are awarded departmental honors. High Honors may be awarded at the discretion of the department and the thesis committee to students who demonstrate exceptional achievement in both the thesis program and departmental course work.

**V. *Recommended Programs of Study:*** Several coursework options for students considering chemistry or biochemistry as a major are shown below. Although students may deviate from these guides, it is strongly recommended that all prospective majors complete CHEM 0104 or CHEM 0107 by the end of their first year and the calculus (MATH 0121 and 0122) and physics (PHYS 0109 and 0110) courses by the end of their second year. Completing CHEM 0203 as early as possible provides the maximum flexibility both within the major and for other academic interests, including study abroad.

**Chemistry**
*First Year:*
Fall: CHEM 0103, MATH 0121
Spring: CHEM 0104, MATH 0122
**OR**
Fall: CHEM 0104 or CHEM 0107, MATH 0121
Spring: MATH 0122 (consider CHEM 0203)

*Sophomore Year:*
Fall: CHEM 0203, PHYS 0109
Spring: CHEM 0204, PHYS 0110

*Junior Year:*
Fall: CHEM 0311, CHEM 0351*
Spring: *(OR CHEM 0355)

*Senior Year:*
Fall: elective
Spring: elective

**Biochemistry**
*First Year:*
Fall: CHEM 0103, MATH 0121
Spring: CHEM 0104, MATH 0122
**OR**
Fall: CHEM 0104 or CHEM 0107, MATH 0121
Spring: MATH 0122 (consider CHEM 0203)

*Sophomore Year:*
Fall: CHEM 0203, PHYS 0109
Spring: CHEM 0204, PHYS 0110

*Junior Year:*
Fall: CHEM 0322
Spring: CHEM 0313

*Senior Year:*
Fall: elective
Spring: elective

**Chemistry with honors**

*First Year:*
Fall:CHEM 0103, MATH 0121
Spring:CHEM 0104, MATH 0122
**OR**
Fall: CHEM 0104 or CHEM 0107, MATH 0121
Spring: MATH 0122 (consider CHEM 0203)

*Sophomore Year:*
Fall:CHEM 0203, PHYS 0109
Spring:CHEM 0204, PHYS 0110

*Junior Year:*
Fall:CHEM 0311, CHEM 0351
Spring:CHEM 0312, CHEM 0355

*Senior Year:*
Fall:CHEM 0400, CHEM 0431
Spring:CHEM 0701

**Biochemistry with honors**
*First Year:*
Fall:CHEM 0103, MATH 0121
Spring:CHEM 0104, MATH 0122
**OR**
Fall: CHEM 0104 or CHEM 0107, MATH 0121
Spring: MATH 0122 (consider CHEM 0203)

*Sophomore Year:*
Fall:CHEM 0203, PHYS 0109
Spring:CHEM 0204, PHYS 0110

*Junior Year:*
Fall:CHEM 0311, CHEM 0322
Spring:CHEM 0313, CHEM 0355

*Senior Year:*
Fall:CHEM 0400, CHEM 0425
Spring:CHEM 0701

## CHEM0103 General Chemistry I (Fall 2016, Spring 2017)

Major topics will include atomic theory and atomic structure; chemical bonding; stoichiometry; introduction to chemical thermodynamics. States of matter; solutions and nuclear chemistry. Laboratory work deals with testing of theories by various quantitative methods. Students with strong secondary school preparation are encouraged to consult the department chair for permission to elect CHEM 0104 or CHEM 0107 in place of this course. CHEM 0103 is also an appropriate course for a student with little or no prior preparation in chemistry who would like to learn about basic chemical principles while fulfilling the SCI or DED distribution requirement. 3 hrs. lect., 3 hrs. lab, 1 hr. disc. **DED, SCI** (Fall 2016: R. Sandwick; Spring 2017: S. Choi)

## CHEM0104 General Chemistry II (Fall 2016, Spring 2017)

Major topics include chemical kinetics, chemical equilibrium, acid-base equilibria, chemical thermodynamics, electrochemistry, descriptive inorganic chemistry, and coordination chemistry. Lab work includes inorganic synthesis, qualitative analysis, and quantitative analysis in kinetics, acid-base and redox chemistry. (CHEM 0103 or by waiver) 3 hrs. lect., 3 hrs. lab, 1 hr. disc. **DED, SCI** (J. Larrabee)

## CHEM0107 Advanced General Chemistry (Fall 2016)

This course is a one-semester alternative to one year of general chemistry (CHEM 0103 and CHEM 0104). It is open to all students who have received a 4 or 5 on the Advanced Placement test in Chemistry. Students who have two or more years of high school chemistry without AP credit may enroll with permission of the instructor. Topics will be drawn from the traditional general chemistry curriculum, but discussed in greater detail with a more thorough mathematical treatment. Special emphasis will be placed on chemical bonding, coordination chemistry, and real world research in chemistry. (AP Chemistry or equivalent.) 3 hrs. lect., 3 hrs. lab, 1 hr dis. **DED, SCI** (S. Choi)

## CHEM0203 Organic Chemistry I: Structure and Reactivity (Fall 2016, Spring 2017)

This course will provide students with an introduction to the structure and reactivity of organic molecules sufficient to continue directly to study of biochemistry (CHEM 0322). Topics covered will include models of chemical bonding, acid-base relationships, three-dimensional molecular structure (conformations and stereochemistry), reaction mechanisms and energy diagrams, substitution and elimination reactions, carbonyl reactions (additions, reductions, interconversions, and alpha-reactivity), and the fundamentals of biological molecules (carbohydrates, DNA, and RNA). Laboratory experiments will include purification techniques (recrystallization, distillation, extraction, and chromatography) as well as microscale organic reactions that complement the lecture portion of the course. (CHEM 0104 or CHEM 0107) 3 hrs. lect., 3 hrs. lab, 1 hr. prelab. **SCI** (Fall 2016: J. Byers; Spring 2017: R. Sandwick)

## CHEM0204 Organic Chemistry II: Synthesis and Spectroscopy (Fall 2016, Spring 2017)

In this course we will explore the ways that organic molecules are made and their structures identified. The study of organic reactions will continue from CHEM 0203 with radical reactions, alkene and alkyne additions, aromatic reactions, oxidations and reductions, and additional carbonyl reactions. Emphasis in this course will be placed on using reactions in sequences to synthesize larger and more complex molecules. The theory and practice of mass spectrometry and UV-Vis, IR, and NMR spectroscopy will be studied as a means to elucidate the exact structures of organic molecules. Laboratory experiments will focus on synthetic techniques that complement the lecture portion of the course and the identification of complex unknowns via GC-MS, IR, and NMR. (CHEM 0203) 3 hrs. lect., 3 hrs. lab, 1 hr. prelab. (J. Byers)

## CHEM0230 Inorganic Chemistry (Spring 2017)

Have you ever wondered how a lithium ion battery or a solar cell works? Do you know why a ruby is red, an emerald is green, a sapphire is blue, but the sapphire in your watch crystal is

colorless? What is nanoscience? Why do multivitamin tablets contain iron, zinc, cobalt, and calcium? These questions and many others fall in the realm of inorganic chemistry â the chemistry of materials that do not contain carbon. This course is an introduction to the major subfields of inorganic chemistry including solid state, main group, transition metal, organometallic, and bioinorganic chemistry. The physical and structural properties of these materials will be explored using simple bonding theories and symmetry. The chemical properties of these materials will be investigated using basic kinetic and thermodynamic principles. (CHEM 0104 or 0107) 3 hrs. lect. **SCI** (J. Larrabee)

## CHEM0270 Environmental Chemistry & Health (Spring 2017)

In this interdisciplinary course we will integrate organic, physical, and analytical chemistry to understand relationships between the molecular structure of environmental organic contaminants and their behavior in natural and built environments. We will examine human and wildlife exposure to toxins and foundational principles of environmental toxicology and endocrine disruption in order to assess the health implications of environmental pollution. Laboratory projects will familiarize students with methods of monitoring pollution, predicting chemical behavior, and assessing toxicity. (CHEM 0104 or CHEM 0107) 3 hrs. lect., 3 hrs. lab **SCI** (M. Costanza-Robinson)

## CHEM0311 Instrumental Analysis (Fall 2016)

This course introduces fundamental concepts of analytical chemistry, instrumental analysis, and scientific writing. Lecture topics include experimental design and quality control; sample collection and preparation; calibration, error, and data analysis; statistics; and the theory and operation of chemical instrumentation. Multi-week laboratory projects provide hands-on experience in qualitative and quantitative analysis using a variety of research-quality instrumentation (e.g., graphite furnace atomic absorption spectroscopy, UV/Vis spectrometry, gas chromatography mass spectrometry, circular dichroism spectroscopy, high pressure liquid chromatography). Writing workshops promote professional scientific writing skills through guided practice in writing analysis, peer review, and revision. (CHEM 0204 or CHEM 0242) 3 hr. lect., 6 hrs. lab. **CW** (R. Sandwick, A. Vasiliou)

## CHEM0312 Inorganic and Physical Chemistry Laboratory (Spring 2017)

In this course students will carry out experiments in the field of inorganic and physical chemistry and write journal-style reports based on their results. In the first half of the semester students will conduct a multi-step synthesis and characterization of a Mo-Mo complex with a quadruple bond. Students will learn inert atmosphere synthetic techniques and how to use a glove box. The synthesized Mo-Mo complex will be characterized by UV-Vis, IR, 1H and 31P NMR spectroscopies, and cyclic voltammetry. In the second half of the semester students will conduct two physical chemistry experiments. First students will carry out a kinetic study of the isomerization of the Mo-Mo (alpha to beta or beta to alpha) complex by UV-Vis spectroscopy. Finally, students will obtain the high-resolution IR spectra of acetylene and deuterated acetylene and analyze the rotation-vibration spectra using statistical and quantum mechanics to obtain structural data and interpret the peak intensities. In addition to the laboratory activities, there will be lectures on metal quadruple bonds, principles of UV-Vis , IR, 1H and 31P NMR

spectroscopies, cyclic voltammetry, and statistical mechanics. (CHEM 0311, CHEM 0351, and CHEM 0355. CHEM 0355 can be taken concurrently.) 3 hrs. lect. 3 hrs. lab (S. Choi, A. Vasiliou)

## CHEM0313 Biochemistry Laboratory (Spring 2017)

Experimental biochemistry emphasizing the isolation, purification and characterization of enzymes and the cloning of genes and expression of recombinant protein. Traditional biochemical techniques such as UV-VIS spectroscopy, gel filtration, ion exchange and affinity chromatography, electrophoresis, and immunoblotting will be used in the investigation of several enzymes. Specific experiments will emphasize enzyme purification, enzyme kinetics, and enzyme characterization by biochemical and immunochemical methods. Major techniques in molecular biology will be introduced through an extended experiment that will include DNA purification, polymerase chain reaction, bacterial transformation, DNA sequencing, and the expression, purification, and characterization of the recombinant protein. Class discussions emphasize the underlying principles of the biochemical and molecular techniques employed in the course, and how these experimental tools are improved for particular applications. Laboratory reports stress experimental design, data presentation, and interpretation of results. (CHEM 0322) 2 hr. lect., 6 hrs. lab. **CW** (R. Cluss, L. Giddings)

## CHEM0322 Biochemistry of Macromolecules (Fall 2016, Spring 2017)

This course is an introduction to biochemistry that focuses on the chemical and physical properties of amino acids, proteins, lipids, carbohydrates, and nucleic acids. Specific topics include the structure and function of proteins, enzyme mechanisms and kinetics, how carbohydrates and lipids contribute to vital cellular and organismal functions, and informational biochemistry (DNA, RNA, and specific enzymes and processes leading to the production of regulatory RNA and proteins). Specific topics from the primary literature will be explored to illustrate how particular techniques and experimental approaches are used to gain a new understanding of biochemistry and molecular biology. (CHEM 0203 or CHEM 0242) 3 hrs. lect., 1 hr. disc. (Fall 2016: R. Cluss, L. Giddings; Spring 2017: L. Giddings, R. Sandwick)

## CHEM0351 Quantum Chemistry and Spectroscopy (Fall 2016)

Quantum theory is developed and applied to atomic structure and molecular bonding. Spectroscopy is examined as an application of quantum theory. (CHEM 0204 or CHEM 0241, MATH 0122 and PHYS 0110, or by waiver) 3 hrs. lect. (S. Choi)

## CHEM0355 Thermodynamics and Kinetics for Chemical and Biological Sciences (Spring 2017)

In this course students will learn the central ideas that frame thermodynamics and kinetics. The application of these ideas to chemical, biological, and the environmental processes will be covered using examples such as refrigerators, heat pumps, fuel cells, bioenergetics, lipid membranes, and catalysts (including enzymes). (PHYS 0109 or PHYS 0110 and MATH 0122 and CHEM 0204 or CHEM 0242) 3 hrs lect., 1 hr disc. (A. Vasiliou)

## CHEM0400 Seminar in Chemical Research (Fall 2016)

This seminar provides students with experiences to support the preparation of a senior thesis. As the course involves participation in a mentored laboratory project and the intent to complete a senior thesis, students must make arrangements to work with a faculty advisor prior to gaining approval for course registration. The classroom portion of this seminar focuses on reading the scientific literature, giving effective oral presentations, and writing the thesis introduction. Particular emphasis will be given to computer and technology issues related to oral and written presentations. Participation will normally be followed by registration for CHEM 0500 or CHEM 0700 (winter term and spring). (Senior standing; Approval only) 2 hrs. sem., 12 hrs. lab. (R. Cluss)

## CHEM0425 Biochemistry of Metabolism (Fall 2016)

A living organism requires thousands of coordinated individual chemical reactions for life. In this course we will survey the major integrated metabolic pathways of living cells and whole organisms, with particular attention to enzyme mechanisms, as well as the regulation, and integration of metabolism from the molecular to the whole organism level. The synthesis and degradation of carbohydrates, amino acids, lipids, and nucleotides are investigated, along with the mechanisms of energy flow and cell-to-cell communication. While common metabolic processes are emphasized, unique aspects of metabolism that permit cells to function in unusual niches will also be considered. Mechanistic and regulatory aspects of metabolic processes will be reinforced through an investigation of inborn errors and organic defects that lead to disease. (CHEM 0322) 3 hrs. lect., 1 hr. disc. (L. Giddings)

## CHEM0431 Advanced Inorganic Chemistry (Fall 2016)

Atomic structure, bonding theories, and properties applicable to inorganic and organometallic compounds will be developed in depth. Specific topics will include valence bond theory, molecular orbital theory, ligand field theory, applications of group theory, and reaction mechanisms. (CHEM 0351) 3 hrs. lect. (J. Larrabee)

## CHEM0442 Advanced Organic Chemistry (Spring 2017)

This course covers advanced topics in organic chemistry, with the goal of bringing students to the point where they have the knowledge necessary to become lifelong learners of organic chemistry through primary literature, rather than reliance on textbooks. With this goal in mind, the course will cover qualitative molecular orbital theory and reactive intermediates beyond the anion and cation chemistry which form the main body of the introductory organic chemistry sequence. More advanced techniques in NMR spectroscopy, stereochemistry, and conformational analysis will also be covered, and the course will culminate in literature examples of total synthesis of natural products, and a final project involving authoring a Wikipedia page on a topic of interest relating to organic chemistry. (CHEM 0204 or CHEM 0242) (J. Byers)

## CHEM0500 Independent Study Project (Fall 2016, Spring 2017)

Individual study for qualified students. (Approval required)

# CHEM0700 Senior Research (Fall 2016, Spring 2017)

In this course students complete individual projects involving laboratory research on a topic chosen by the student and a faculty advisor. Prior to registering for CHEM 0700, a student must have discussed and agreed upon a project topic with a faculty member in the Chemistry and Biochemistry Department. Attendance at all Chemistry and Biochemistry Department seminars is expected. (Approval required; open only to seniors)

# CHEM0701 Senior Thesis (Fall 2016, Spring 2017)

Students who have initiated research projects in CHEM 0400 and who plan to complete a senior thesis should register for CHEM 0701. Students are required to write a thesis, give a public presentation, and defend their thesis before a committee of at least three faculty members. The final grade will be determined by the department. Attendance at all Chemistry and Biochemistry Department seminars is expected. (CHEM 0400; approval required)

## Chinese

***Full Major***:
**I. Required Courses**:

- CHNS 0101 through CHNS 0302 (or equivalent)
- Four additional courses from among: CHNS 0219, CHNS 0220, CHNS/FMMC 0250, CHNS 0270, CHNS 0325, CHNS 0330, CHNS 0340, CHNS 0350, CHNS 0370 (At least one of the four must be in pre-modern literature and at least one must be in modern literature or culture. At least one of the four must be at 0300 level course in literature in translation, which ideally should be done before the thesis is completed)
- CHNS 0411 (The equivalent may be taken during study abroad)
- CHNS 0425, CHNS 0426, or CHNS 0412 (the equivalent to CHNS 0412 may be taken at the Middlebury Chinese School, or during study abroad)
- CHNS 0475
- Either CHNS 0700 or CHNS 0701 and CHNS 0702

**II**. **Senior Work**:
Full majors in Chinese are required to complete either CHNS 0701 and CHNS 0702 (Senior Honors Thesis) or CHNS 0700 (Senior Essay or Translation Project). CHNS 0701 and CHNS 0702 is a one-semester plus J-term sequence that should normally be taken during the fall and J-term. CHNS 0700 is a one-semester course that may be taken during the fall or winter. The Chinese department discourages students from postponing completion of senior work until the final semester of full-time study.
Joint majors in Chinese are encouraged but not required to do a senior thesis (CHNS 0701 and CHNS 0702) or project (CHNS 0700). A joint thesis or project should, when feasible, combine the two fields of study of the joint major.
All senior work, whether CHNS 0700 or CHNS 0701 and CHNS 0702, must include a major focus on work with primary sources in Chinese. All senior work should focus on Chinese literature; qualified students may petition the Chair for permission to do senior work on other aspects of Chinese culture (e.g., film or linguistics).
***Senior Honors Thesis***: To be eligible for the CHNS 0701 and CHNS 0702 Senior Honors Thesis, students majoring in Chinese (full, double or joint) must have completed language study through at least CHNS 0302 (or equivalent), taken at least two Chinese literature/culture

courses, and maintained an average of B+ or better in Chinese department courses. Complete guidelines for the completion of the CHNS 0701 and CHNS 0702 thesis (and the CHNS 0700 project) are available from the Chinese Department.
***Departmental Honors***: Both full and joint majors may qualify for honors. Eligibility for departmental honors in Chinese requires completion of a senior honors thesis graded B+ or better and a grade point average of B+ (3.35) or higher in all courses taken that satisfy or could potentially satisfy the requirements for the major as listed above (full) and below (joint), including courses taken in the summer in the Chinese School and/or during study abroad. Only courses that satisfy or could potentially satisfy major requirements count toward honors (i.e., courses taken abroad that do not fall into this category do not count) and all such courses count (e.g., if more than four courses toward major requirement {b} are taken, all count). The department may award honors for completion of an exceptionally impressive senior essay or translation project that is graded A if the student has an average of B+ or higher in all qualifying courses (as defined above). High honors will be awarded for a grade point average of 3.5 or higher in all qualifying courses (as define above) and a senior thesis of A- or better. Highest honors are reserved for students who earn a grade of A on the senior thesis and who have an average of 3.75 or higher in all qualifying courses (as defined above).

***Joint Major***:
**I. Required Courses:**

- CHNS 0101 through CHNS 0302 (or equivalent);
- Either CHNS 0411 (the equivalent may be taken in the summer at the Middlebury Chinese School or, with prior approval, during study abroad) or CHNS 0425;
- Four additional courses from among: CHNS 0219, CHNS 0220, CHNS/FMMC 0250, CHNS 0270, CHNS 0325, CHNS 0330, CHNS 0340, CHNS 0370, CHNS 0412, CHNS 0426, CHNS 0475, at least one of which must be at the 0300or 0400 level.

***Minor***:
**I. Required Courses:**

- Four courses from among CHNS 0101 or CHNS 0102 (not both), CHNS 0103, CHNS 0201, CHNS 0202, CHNS 0301, CHNS 0302, CHNS 0400, CHNS 0411, CHNS 0412, CHNS 0425, CHNS 0426, and CHNS 0475 (in this way, all students increase their language proficiency, regardless of the level at which they start their study).
- Plus three courses from among CHNS 0219, CHNS 0220, CHNS 0250, CHNS 0270, CHNS 0325, CHNS 0330, CHNS 0340, CHNS 0350, CHNS 0370, CHNS 0411, CHNS 0412, CHNS 0425, CHNS 0426, and CHNS 0475. One course must be in literature in either Chinese or English (the following are literature courses: CHNS 0219, CHNS 0220, CHNS 0325, CHNS 0330, CHNS 0340, CHNS 0370, CHNS 0412, and CHNS 0475).
- A single course may be counted toward only one category.
- The equivalent of CHNS 0411 and/or CHNS 0412 may be taken abroad. A "one-on-one" course in literature or culture taken abroad may count toward the second category if approved by the Department Chair before study abroad. No other courses taken abroad may be counted toward the second category.

***International and Global Studies Major with Chinese Language:*** Along with other required courses and senior work as described in the International and Global Studies major section, the Chinese language component of an IGS major requires completion of the following: 1) completion of CHNS 0202 or the equivalent (students are strongly encouraged to complete CHNS 0302 or the equivalent before study abroad, preferably in the summer Chinese School); 2) one semester at one of the three C.V. Starr-Middlebury College Schools in China; 3) upon return

from China, any two of the following: CHNS 0411, 0412, 0425, 0426, or 0475.

***To specialize in the Chinese Literature/Culture discipline within the International and Global Studies major*** (an option only for students who will graduate in 2015 or 2016)students must take: any five of the following: CHNS 0219, CHNS 0220, CHNS/FMMC 0250, CHNS/LNGT 0270, CHNS 0325, CHNS 0330, CHNS 0340, CHNS 0350, CHNS 0370, CHNS 0412, CHNS 0475 (one literature course taken during study abroad may be counted toward this requirement).

## CHNS0101 Beginning Chinese (Fall 2016)

This course is an introduction to Mandarin (guoyu or putonghua). The course begins with simple words and phrases, the pronunciation and cadences of Mandarin, romanization, Chinese characters, and simple vocabulary items, all taught in the context of practical communication. Sentence patterns and other fundamentals of speaking, reading, and writing will be taught, including both traditional characters (used everywhere before the 1950s and still used in Taiwan and Hong Kong) and simplified characters (used in China). Students should have achieved active command of more than 600 Chinese characters and more than 800 compounds by the end of the sequence CHNS 0101, CHNS 0102, and CHNS 0103. 5 hrs. lect., 2 hrs. drill **LNG** (H. Du, T. Moran)

## CHNS0103 Beginning Chinese (Spring 2017)

This course is a continuation of the fall and winter terms with accelerated introduction of vocabulary, grammar, and sentence patterns designed to facilitate speaking and reading. Toward the end of this semester students will read *Huarshang de meiren* (*Lady in the Painting*), a short book written entirely in Chinese. (CHNS 0102 or equivalent) 5 hrs. lect., 2 hrs. drill **LNG** (H. Du, T. Moran)

## CHNS0201 Intermediate Chinese (Fall 2016)

This course is designed to enable the student to converse in everyday Chinese and to read simple texts in Chinese (both traditional and simplified characters). Discussion of assigned readings will be conducted primarily in Chinese. Familiarity with the vocabulary and grammar introduced in CHNS 0101, CHNS 0102, and CHNS 0103 is assumed. Grammatical explanations, written exercises, dictation quizzes, sentence patterns, oral drill, and CD's will accompany assignments. By the completion of CHNS 0202, which follows CHNS 0201 directly, students should be able to read and write approximately 1,200 characters. (CHNS 0103 or equivalent) 5 hrs. lect., 1 hr. drill **LNG** (K. Wang, C. Wiebe)

## CHNS0202 Intermediate Chinese (Spring 2017)

This course is a continuation of the first term's work, with the class conducted primarily in Chinese. (CHNS 0201) 5 hrs. lect., 1 hr. drill **LNG** (K. Wang, C. Wiebe)

## CHNS0219 The Chinese Literary Tradition (in translation) (Fall 2016)

This course, an introduction to the works of literature that formed the basis of traditional Chinese culture, is a discussion-based seminar. It focuses first on texts written in classical

Chinese from the earliest times up through the Song dynasty, including selections from early poetry and history, Daoist classics, stories of the strange, and Tang Dynasty poetry by Wang Wei, Li Bai and Du Fu. These texts shaped the traditional Chinese understanding of the world, and provided models of what was perceived to be powerful, beautiful language. In the second part of the course we will explore narratives written in the vernacular language, focusing on the literary significance and aesthetic value of drama, stories and novels long treasured by the Chinese. Students will gain a better understanding of traditional Chinese literary values, as well as Chinese society and worldviews. This class is not intended for native Chinese students who have studied Chinese literature in high school classes in China. (No background in Chinese culture or language needed.) 3 hrs. lect./disc. **AAL, LIT** (C. Wiebe)

## CHNS0220 Modern China through Literature (in translation) (Fall 2016)

This course, taught in English, is a discussion-based seminar on some of the most significant works of short fiction, novellas, and novels that tell the story of China and the Chinese from the end of the Qing dynasty to the present. Students will gain a better understanding of the history of modern China by studying the works of literature that inspired readers and provoked debate during one hundred years of social reform, revolution, war, civil war, reconstruction, cultural revolution, cultural revival, and economic growth. Our reading will include work by authors such as Lu Xun (*Diary of a Madman*, 1918), Zhang Ailing (*Love in a Fallen City*, 1944), Ah Cheng (*The Chess King*, 1984), Yu Hua (*To Live*, 1993), and, from Taiwan, Zhu Tianwen (*Notes of a Desolate Man*, 1999). We will consider the mainstream (socially engaged realism), the avant-garde (varieties of modernism), and popular genres (romance and martial arts), and we will look for answers to the following questions: what has been the place of fiction in China in the modern era and what vision of modern China do we find in its fiction? (No prerequisites) 3 hrs. lect./disc. **AAL, LIT** (J. Chen)

## CHNS0270 Chinese Sociolinguistics (taught in English) (Spring 2017)

Sociolinguistics is mainly concerned with the interaction of language and society. The language situation in China is unique both in the modern world and in human history. We will gain a good understanding of sociolinguistics as a scientific field of inquiry through exploring the Chinese situation in this course. Some of the questions we will ask are: What is Mandarin (Modern Standard) Chinese? Who are "native speakers" of Mandarin? Are most Chinese people monolingual (speaking only one language) or bilingual (speaking two languages) or even multilingual? How many "dialects" are there in China? What is the difference between a "language" and a "dialect"? Are Chinese characters "ideographs", i.e., "pictures" that directly represent meaning and have nothing to do with sound? Why has the pinyin romanization system officially adopted in the 1950s never supplanted the Chinese characters? Why are there traditional and simplified characters? We will also explore topics such as power, register, verbal courtesy, gender and language use. Students are encouraged to compare the Chinese situation with societies that they are familiar with. (One semester of Chinese language study or by waiver) **AAL, SOC** (H. Du)

## CHNS0301 Advanced Chinese (Modern Chinese) (Fall 2016)

This course aims at further development of overall language proficiency through extensive reading of selected texts representing a wide variety of subjects and styles. Classes will be conducted entirely in Chinese except for occasional recourse to English by the instructor to provide a quick solution to problems of definition. The main text will be *All Things Considered* with supplementary readings selected to help students both continue to work toward competence in conversational Chinese and also begin to master a more sophisticated register of language. (CHNS 0202 or equivalent) 4 hrs. lect. **LNG** (B. Qian, K. Wang)

## CHNS0302 Advanced Chinese (Modern Chinese) (Spring 2017)

This course is a continuation of CHNS 0301 with continued practice in conversational Chinese and a greater emphasis on reading works of a literary nature. (CHNS 0301 or equivalent) 4 hrs. lect. **LNG** (K. Wang)

## CHNS0325 Traditional Chinese Poetry (in translation) (Spring 2017)

Introducing the basics of Chinese poetics, this junior/sophomore discussion-based seminar explores inter-connections across a wide spectrum of Chinese poetry belonging to a vibrant tradition spanning more than two thousand years--folk songs; court rhapsodies; courtesan love poems; extended allegorical fantasies; ballads and lyric verse of love, war, friendship, loss, and separation. Landscape, travel, romantic and metaphysical poems by masters such as Qu Yuan, Tao Yuanming, Wang Wei, Li Bai, Du Fu, Su Dongpo and Li Qingzhao will be studied. We will analyze poetic expression ranging from poetic genres following strict formal conventions to relatively free-form verse. Traditional Chinese literary theories regarding poetry and its appreciation will be considered, yet students will also be encouraged to apply other critical approaches. (Either CHNS 0219 or CHNS 0220, or by waiver) 3 hrs. lect. **AAL, LIT** (C. Wiebe)

## CHNS0350 Documentary Film in Contemporary China (Spring 2017)

In China since the 1980s, new political and socio-economic realities, along with new technologies, created conditions for the emergence of the New Documentary Movement, the collective achievement of a group of artists with new ideas about what the form and function of nonfiction film should be. We will screen and discuss select contemporary Chinese documentary films, place these films in the context of global documentary film history, and learn methods for the analysis of nonfiction film. We will âreadâ each film closely, and also study secondary sources to learn about the Chinese realities that each film documents. 3 hrs. lect./screening **AAL, ART** (T. Moran)

## CHNS0400 Advanced Readings, Conversation, and Writing (Modern Chinese) (in Chinese) (Fall 2016)

This course is designed to improve students' competency in highly pragmatic Chinese, spoken and written. Readings and discussion will cover a wide variety of contemporary materials with an emphasis on linguistic preparation for study in China. (CHNS 0302 or equivalent) 3 hrs. lect.

**LNG** (J. Chen)

## CHNS0411 Classical Chinese I (in Chinese) (Fall 2016)

This course is an introduction to wenyan, the written language of traditional China. In this course we will emphasize comprehension of the literal and metaphorical meanings of short *wenyan* texts. Our approach will include grammatical analysis and *baihua* translation (i.e., from the Classical Chinese into modern Chinese); discussion will be conducted entirely in *baihua*. This course begins the two-semester sequence of Classical Chinese, which not only introduces students to *wenyan* but also provides a vital learning experience for any student seeking to attain a high level of linguistic and cultural proficiency in Chinese, including modern written discourse. (CHNS 0302 or the equivalent) 3 hrs. lect. **LNG** (B. Qian)

## CHNS0412 Classical Chinese II (in Chinese) (Spring 2017)

A continuation of CHNS 0411. In this course students will read a wide selection of *wenyan* texts that sample the classics of ancient Chinese thought, including *Confucius*' *Analects*, the Daoist texts *Laozi* and *Zhuangzi*, Mohist arguments against war, Sunzi's *The Art of War*, and Legalist writings on law. Students will also learn to punctuate *wenyan* texts (which were originally unpunctuated) and compose sentences or short paragraphs in *wenyan*. All class discussion will be conducted in modern Chinese. (CHNS 0411 or the equivalent) 3 hrs. lect. **LNG** (B. Qian)

## CHNS0425 Contemporary Social Issues in China: Advanced Readings (in Chinese) (Fall 2016)

A survey of materials written in modern expository Chinese (academic, journalistic and polemical) that focus on the cultural, political, economic, and social issues of contemporary China. This advanced readings course is designed primarily for seniors who have already spent a semester or more studying and living in China or Taiwan. Emphasis will be given to further developing students' ability to read, analyze, and discuss complex issues in Mandarin while also advancing proficiency in writing and in oral comprehension. Oral reports and written compositions will be integral to the course's requirements. (Approval Required) 3 hrs. lect. **AAL, LNG** (H. Du)

## CHNS0426 Politics and Business in China: Advanced Readings and Discussion (in Chinese) (Spring 2017)

The capstone course for those students who have attained a high level of Chinese language proficiency. The goal of this course is to help students improve their ability to read, write, and talk about politics and business in China. Most of this course will focus on recent and current debate and discussion in China over domestic political programs and policies, international relations, and business trends. Discussion will also touch upon the political and economic history of the People's Republic of China and Taiwan. We will read articles intended for popular audiences in the Chinese-speaking world. 3 hrs. lect. (CHNS 0425 or CHNS 0411 or study abroad in China) **AAL, LNG** (B. Qian)

## CHNS0475 Senior Seminar on Modern Chinese Literature

## (in Chinese) (Spring 2017)

A capstone course for all Chinese majors and for others who have attained a high level of Chinese language proficiency. Students will read and critique works by major Chinese fiction writers (and sometimes playwrights) and may also see and discuss a film or films from mainland China, Hong Kong, and/or Taiwan. All reading, discussion, and critical writing will be in Chinese. (CHNS 0412 or CHNS 0425) 3 hrs. lect. **AAL, LIT, LNG** (J. Chen)

## CHNS0500 Senior Essay (Fall 2016, Spring 2017)

(Approval Required)

## CHNS0700 Senior Thesis (Fall 2016, Spring 2017)

(Approval required)

## CHNS0701 Senior Thesis Proposal (Fall 2016)

(Approval Required)

### Classics

***Required for the major in Classics:***
**A**. Ten courses in two languages: Greek and Latin (normally six in one language and four in the other) including one senior seminar (CLAS 0420).
**B**. CLAS 0150 Ancient Epic Poetry
**C**. Two additional courses in classics in translation, one from each of the following categories:
**1.** CLAS/HIST 0131 Archaic and Classical Greece or CLAS 0151 Introduction to Ancient Greek Literature or CLAS 0152 Greek Tragedy or CLAS 0190 Greek and Roman Comedy or CLAS/PHIL 0275 Greek Philosophy: The Problem of Socrates
**2.** CLAS/HIST 0132 History of Rome or CLAS 0140 Augustus and the World of Rome or CLAS 0143 The Rise and Fall of the Roman Republic or CLAS 0144 Literature of the Roman Empire or CLAS 0190 Greek and Roman Comedy or CLAS/PHIL 0276 Roman Philosophy
**D.** CLAS 0701 History of Classical Literature: General Examination for Classics/Classical Studies Majors
***Optional:*** CLAS 0700 Senior Essay (fall/winter or winter/spring), CLAS 0505 Independent Senior Project (fall or spring). (Note: Students who wish to do an optional senior essay or independent senior project must secure the sponsorship of a member of the classics department in the semester before the essay or project is to be undertaken.)
***Honors:*** B+ average or better in courses taken for the major (excluding senior work). B+ or better in the General Examination (CLAS 0701) and in the Senior Seminar (CLAS 0420). (Note: A student who does an optional senior essay or independent senior project may arrange with the chair, in the semester prior to undertaking the project, to offer that grade in lieu of the grade for CLAS 0420 for the calculation of departmental honors.)
***Joint Major:*** Students interested in a joint major in Classics and another discipline should consult the chair. The joint major in Classics typically requires ten courses in Greek and Latin (normally six in one language and four in the other); CLAS 0701, and senior work that combines Classics with the other major.

***Required for the Minor in Classics:*** The minor in classics may be configured in one of the following four ways:
1. *Latin CLLA*: Five courses in Latin
2. *Greek CLGR*: Five courses in Greek
3. *Classical Civilization CLCC:* Five courses, as follows: three or more courses chosen from CLAS/HIST 0131, CLAS/HIST 0132, CLAS 0140, CLAS 0143, CLAS 0144, CLAS 0149, CLAS0150, CLAS 0151, CLAS 0152, CLAS 0190, CLAS/LITP 0230, INTD 0250, CLAS/RELI 0262, CLAS/PHIL 0275, CLAS/PHIL 0276, CLAS/HIST 0331, CLAS/HIST 0332, or CLAS/HIST 0337; and CLAS 0420 or CLAS 0450 (or both).
4. *Classical Language and Civilization CLCL:* Five courses, as follows: two or more courses in Latin or Greek; one or more courses chosen from CLAS/HIST 0131, CLAS/HIST 0132, CLAS 0140, CLAS 0143, CLAS 0144, CLAS 0149, CLAS/CMLT 0150, CLAS 0151, CLAS 0152, CLAS/CMLT 0190, CLAS/LITP 0230, CLAS/RELI 0262, INTD 0250, CLAS/PHIL 0275 or CLAS 0276; and one or more courses chosen from CLAS/HIST 0331, CLAS/HIST 0332, CLAS/HIST 0337, CLAS 0420, or CLAS/CMLT 0450.
***AP credit policy:*** One course credit toward graduation, not toward the major or minor, will be granted for one AP exam in Latin under the following conditions: a) The student has received a grade of 4 or 5 on the AP exam, and b) The student has completed an advanced course (LATN 0201 or above) in Latin at Middlebury with a grade of B+ or above. (Note: No more than one course credit will be granted, whether the student presents one or two AP exams.)
***Study Abroad Guidelines:*** Study abroad in the Mediterranean can enrich our majors' experience of the ancient world, because it affords them the opportunity to see the places that they have been learning about in the classroom. Students also find it stimulating to be surrounded by people with similar interests from other institutions. Thus, while our curriculum does not in any way necessitate study abroad, the faculty is happy to work with students who wish to pursue it as part of their Middlebury degree in classics or classical studies.
For those students who want to go abroad, we strongly recommend a semester rather than a year. The three programs we endorse are the ICCS (the Inter-Collegiate Consortium for Classical Studies in Rome), CYA (College Year in Athens), and Arcadia (also in Athens), all of which offer semester-long programs. Admission to the ICCS in particular, however, is highly competitive, and students may have a compelling academic rationale for studying elsewhere. Accordingly, we have also approved students who wished to study for a semester at foreign universities with strong classics departments. These have included Trinity College Dublin, the University of Edinburgh, Cambridge University, and the University of Vienna. For some students, a rewarding alternative to study abroad during the academic year has been participation in a summertime archaeological excavation.
We discourage students from going abroad before they have had at least three semesters of whichever ancient language(s) they are learning. As part of their program of study abroad, students normally take at least one course in each ancient language of study, and select additional courses that are appropriate substitutes for courses in the major. In order to be fully prepared for senior work, however, students will need to have completed a significant portion of the courses required for the major, in particular CLAS 0150, before going abroad.
Generally speaking, we are as flexible as we can be in helping majors to identify courses in programs abroad that allow them to stay in step with their cohort in Middlebury and to be prepared for senior work. Unless we are familiar with the institution, the instruction, and the content of the courses, we rarely grant credit to non-majors for classics courses taken away from Middlebury. In all cases (majors, non-majors, potential majors, and minors), students must consult with a member of the classics department before leaving Middlebury to plan and receive approval for work done at other institutions.

**Required for the major in Classical Studies (CLST):**

**A**. The following:

1. CLAS/CMLT 0150 Ancient Epic Poetry
2. CLAS/HIST 0131 Archaic and Classical Greece or CLAS 0151 Introduction to Ancient Greek Literature or CLAS 0152 Greek Tragedy or CLAS/CMLT 0190 Greek and Roman Comedy or CLAS/PHIL 0275 Greek Philosophy: The Problem of Socrates
3. CLAS/HIST 0132 History of Rome or CLAS 0140 Augustus and the World of Rome or CLAS 0143 Texts & Contexts in Republican Rome or CLAS 0144 Literature of the Roman Empire or CLAS 0190 Greek and Roman Comedy or CLAS/PHIL 0276 Roman Philosophy

**B**. Five additional courses in Classical Studies chosen from the following:
CLAS/HIST 0131 Archaic and Classical Greece
CLAS/HIST 0132 History of Rome
CLAS 0140 Augustus and the World of Rome
CLAS 0143 The Rise and Fall of the Roman Republic
CLAS 0144 Literature of the Roman Empire
CLAS 0149 Rhetoric and Politics from Ancient Greece and Rome to the Present
CLAS 0151 Introduction to Ancient Greek Literature
CLAS 0152 Greek Tragedy
CLAS/CMLT 0190 Greek and Roman Comedy
CLAS/LITP 0230 Myth and Contemporary Experience
CLAS/HARC 0234 Ancient Roman City: Pompeii and Beyond
CLAS/HARC 0236 Cities of Vesuvius
CLAS/PHIL 0275 Greek Philosophy: The Problem of Socrates
CLAS/PHIL 0276 Roman Philosophy
CLAS/HIST 0331 Sparta and Athens
CLAS/HIST 0332 Roman Law
CLAS/HIST 0337 From Alexander to Rome
HARC 0213 Roman Art and Architecture
HARC 0221 Greek Art and Archaeology
HARC 0223 The Classical Tradition in Architecture: A History
HARC 0312 Of Gods, Mortals, and Myths: Greek and Roman Painting
HARC 0320 Hands-on Archaeology: Theory and Practice
CLAS/THEA 0250 Greek Drama in Performance
MATH 0261 History of Mathematics
PHIL 0201 Ancient Greek Philosophy
PHIL 0302 Philosophy of Plato
PHIL 0303 Philosophy of Aristotle
RELI 0381/CLAS 0308 Seminar in the New Testament
PSCI 0101 Introduction to Political Science
PSCI 0317 Ancient and Medieval Political Philosophy
PSCI 0409 Seminar in Political Philosophy
RELI/CLAS 0162 The Formation of Judaism in Antiquity
RELI 0287 Greco-Roman Religions
RELI 0387 Seminar on the Religions of Rome

**C**. Four courses in Greek or four courses in Latin chosen from:

GREK 0101 Beginning Greek I
GREK 0102 Beginning Greek II
GREK 0201 Intermediate Greek: Prose
GREK 0202 Intermediate Greek: Poetry

GREK 0301 Readings in Greek Literature I
GREK 0302 Readings in Greek Literature II
GREK 0401 Advanced Readings in Greek Literature I
GREK 0402 Advanced Readings in Greek Literature II
LATN 0101 Beginning Latin I
LATN 0102 Beginning Latin II
LATN 0110 Introduction to College Latin
LATN 0201 Intermediate Latin: Prose
LATN 0202 Intermediate Latin: Poetry
LATN 0301 Readings in Latin Literature I
LATN 0302 Readings in Latin Literature II
LATN 0401 Advanced Readings in Latin I
LATN 0402 Advanced Readings in Latin II

**D**. CLAS 0420 Seminar in Classical Literature

**E**. CLAS 0701 History of Classical Literature: General Examination for Classics/Classical Studies Majors

***Optional***: CLAS 0700 Senior Essay (fall/ winter/spring); CLAS 0500 Independent Senior Project (fall/winter/spring). (*Note*: Students who wish to do an optional senior essay or independent senior project must secure the sponsorship of a member of the classics department in the semester before the essay or project is to be undertaken.)
*For complete descriptions of the courses listed above, see listings under the appropriate departments.*

***Honors:*** B+ average or better in courses taken for the major (excluding senior work). B+ or better in the General Examination (CLAS 0701) and in the Senior Seminar (CLAS 0420). (Note: A student who does an optional senior essay or independent senior project may arrange with the chair, in the semester prior to undertaking the project, to offer that grade in lieu of the grade for CLAS 0420 for the calculation of departmental honors.)

***Joint Major:*** Students interested in a joint major in Classical Studies and another discipline should consult the chair. The joint major in Classical Studies typically requires four semesters of either Greek or Latin; CLAS 0150; one course from section A2 and one course from A3 under the requirements for the major; CLAS 0701, and senior work that combines Classical Studies with the other major.

## CLAS0132 History of Rome (Fall 2016)

This course is an introductory survey of Roman history, from the emergence of the Republic to the influence of Rome on the western world. In the first half of the course we will study the origins of Rome's rise to dominance, the conquest of the Mediterranean and its effect on Roman society, and the crumbling of political structures under the weight of imperial expansion. In the second half, we will study the empire more broadly, starting with the emperors and moving out to the daily lives of people around the Mediterranean. The course will end with the importance of Rome for the Founding Fathers. We will read from authors including Polybius, Plutarch, Appian, Caesar, Suetonius, Tacitus, Juvenal, and Pliny. 2 hrs. lect./1 hr. disc. **EUR, HIS, LIT** (J. Chaplin)

## CLAS0144 Literature of the Roman Empire (Spring 2017)

In this course we will investigate the literature, culture, and history of the Roman Empire, focusing on how Romans sought, often at the cost of their own lives, to define the role and powers of the emperor and their place as subjects to this new, autocratic power. Texts we will read include: epic (Lucan), tragedy (Seneca), history (Tacitus), biography (Suetonius), prose fiction (Petronius), as well as early Christian literature. As we read we will seek to answer questions about the nature of freedom and empire, what is gained and lost by replacing a republican with an autocratic political system, and whether literature in this period can offer an accurate reflection of reality, function as an instrument of change and protest, or of fearful praise and flattery. 3 hrs lect. 1 hr. disc. **CW, EUR, HIS, LIT** (C. Star)

## CLAS0150 Greek and Roman Epic Poetry (Fall 2016)

Would Achilles and Hector have risked their lives and sacred honor had they understood human life and the Olympian gods as Homer portrays them in the *Iliad*? Why do those gods decide to withdraw from men altogether following the Trojan War, and why is Odysseus the man Athena chooses to help her carry out that project? And why, according to the Roman poet Vergil, do these gods command Aeneas, a defeated Trojan, to found an Italian town that will ultimately conquer the Greek cities that conquered Troy, replacing the Greek polis with a universal empire that will end all wars of human freedom? Through close study of Homer's *Iliad* and *Odyssey*, and Vergil's *Aeneid*, we explore how the epic tradition helped shape Greece and Rome, and define their contributions to European civilization. 3 hrs. lect., 1 hr. disc. **CMP, EUR, LIT, PHL** (R. Ganiban)

## CLAS0151 The Golden Age of Athens: History and Literature (Spring 2017)

In this course we will trace the unprecedented intellectual innovation that begins with Greeceâs triumph over the Persian invasions in 490 and 480-479 BC, continues through the emergence of radical democracy and imperialism at Athens, and culminates in the Peloponnesian War and Athensâ defeat in 404 BC by her former ally, Sparta. Through intensive study of selected works of historiography (Herodotus, Thucydides), tragedy (Aeschylus, Sophocles, Euripides), comedy (Aristophanes), and philosophy (Plato), we will explore the central concerns of 5th-century Athenians: freedom and power, knowledge and virtue, law and nature, and the place of the divine in the human world. 3 hr. lect., 1 hr. disc. **EUR, HIS, LIT** (P. Sfyroeras)

## CLAS0276 Roman Philosophy (Fall 2016)

In this course we will seek to answer the question of what is Roman philosophy - philosophia togata. Is it simply Greek philosophy in Roman dress? Or, while based in its Greek origins, does it grow to have a distinctive and rigorous character of its own, designed and developed to focus on uniquely "Roman" questions and problems, in particular, ethical, social, and political questions? We will investigate how some of the main schools of Hellenistic Greek thought came to be developed in Latin: Epicureanism (Lucretius), Academic Skepticism (Cicero), and Stoicism (Seneca). As we read we will investigate how each school offers different answers to crucial questions such as what is the goal of life? What is the highest good? Should one take part in politics or not? What is the nature of the soul? What is the nature of Nature itself? Is there an afterlife? Can we ever have a certain answer to any of these questions? 3 hrs. lect. **EUR, PHL** (C. Star)

## CLAS0420 Seminar in Classical Lit: Roman Epic (Spring 2017)

**Seminar in Classical Literature: The Humanism of Herodotus**
Herodotus (485-424 BC), âthe Father of History,â is also regarded as the first sociologist and ethnographer. The plan and argument of his work, however, including its many fantastic stories, disclose a philosophic intention that resists easy categorization. Herodotusâ subject is the âGreek miracleâ: how the tiny and fractious cities of Greece took concerted action against the overwhelming might of the Persian kings who invaded Greece in 490 and 479 BC. The story of this unlikely triumph of political freedom and limited government over despotic empire is told against the background of the Afro-Asiatic origins of Greek civilization, which Herodotus uncovers in wide-ranging investigations of the customs and religions of Greece, Lydia, Media, Persia, Egypt, Libya, and Scythia. In this seminar we will pursue a close reading of Herodotus in translation; the seminar is open to all students with some previous background in Greek and/or Roman literature. 3 hrs. sem. **EUR, LIT** (R. Ganiban)

## CLAS0450 History of Classical Literature (Fall 2016)

A comprehensive overview of the major literary, historical, and philosophical works of Greece and Rome. Greek authors studied include Homer, Aeschylus, Sophocles, Herodotus, Aristophanes, Thucydides, Plato, and Aristotle. Roman authors include Lucretius, Cicero, Livy, Vergil, Petronius, and Tacitus. Required of senior majors in Classics/Classical Studies (see CLAS 0701 below) and open to all interested students with some background in Greek and Roman literature, history, or philosophy. 3 hrs. lect. (P. Sfyroeras)

## CLAS0500 Independent Study (Fall 2016, Spring 2017)

(Approval required)

## CLAS0505 Ind Senior Project (Fall 2016, Spring 2017)

(Approval Required)

## CLAS0700 Senior Essay for Classics/Classical Studies Majors (Fall 2016, Spring 2017)

(Approval required)

## CLAS0701 History of Classical Literature (Fall 2016)

A comprehensive overview of the major literary, historical, and philosophical works of Greece and Rome. Greek authors studied include Homer, Aeschylus, Sophocles, Herodotus, Aristophanes, Thucydides, Plato, and Aristotle. Roman authors include Lucretius, Cicero, Livy, Vergil, Petronius, and Tacitus. Required of senior majors in Classics/Classical Studies and open to all interested students with some background in Greek and Roman literature, history, or philosophy. 3 hrs. lect. (P. Sfyroeras)

## GREK0201 Intermediate Greek: Prose (Fall 2016)

**Intermediate Greek: Attic Prose-Lysias & Plato ***
**Readings in major authors. 3 hrs. lect. EUR, LNG** (C. Star)

## GREK0202 Intermediate Greek (Spring 2017)

Readings in majors authors. 3 hrs. lect. **EUR, LNG** (P. Sfyroeras)

## GREK0401 Advanced Readings in Greek Literature: Homer's /Iliad/ (Fall 2016)

Readings in major authors. 3 hrs. lect. (R. Ganiban)

## GREK0402 Advanced Readings in Greek Literature II: Greek CosmologyâHesiod and Plato (Spring 2017)

Readings in major authors. 3 hrs. lect. (C. Star)

## HEBR0500 Independent Study (Fall 2016)

Approval required.

## LATN0102 Beginning Latin II (Spring 2017)

This course is a continuation of the introductory winter term course (LATN 0101). After completing the fundamentals of Latin grammar, students translate selections from authors such as Cicero and Ovid. 3 hrs. lect. **LNG** (J. Chaplin)

## LATN0301 Readings in Latin Literature I (Fall 2016)

Readings in major authors. 3 hrs. lect. **LIT, LNG** (J. Chaplin)

## LATN0302 Readings Latin Literature II (Spring 2017)

Readings in Latin Literature II: Vergilâs *Aeneid**
Readings in major authors. 3 hrs. lect. (R. Ganiban)

## LATN0501 Advanced Readings in Latin III (Fall 2016)

Readings in major authors. 3 hrs lect. (I. Sutherland)

## LATN0502 Advanced Readings in Latin IV: Flavian Literature (Spring 2017)

Readings in major authors. 3 hrs lect. (R. Ganiban)

## Comparative Literature Program

Students majoring in Comparative Literature focus on the comparative study of national literatures and receive training in at least two of these literatures in the original language along with comparative methodology. The program is designed to accommodate students at all levels of language proficiency regardless of previous language training.

Majors in Comparative Literature will put together a plan of study with the guidance of two faculty advisors with expertise in the student's chosen literatures and the Director of the Comparative Literature Program.

The basic structure of the program is as follows:

1. One primary foreign language AND

2. One year of a secondary foreign language OR English/American Literatures

**Requirements:**

1. CMLT 0101;

2. Three content classes in the primary foreign language, including two literary classes and one cultural class (e.g. cinema, politics). The choice of particular classes requires the approval of the students advisors and the Program Director. Students will also need approval for inclusion of study abroad classes in this category;*

3. At least one year of study in a secondary foreign language and one course in that language to be taken during their senior year. Students with more advanced language proficiency in their second foreign language will take 3 literature courses in that language, one of them during their senior year;
OR
ENAM courses: 0201 or 0204; a second pre-1700 (Period I) elective; and two other electives;
**(These courses may double-count in the electives section)**

4. One course in literary theory (suggested in sophomore year);

5. Study abroad required for all students studying a foreign language. Up to 4 courses in literature taken abroad may be counted toward the major, subject to the approval of the Director of the program. All students studying abroad must take one class in their foreign language after their return;

6. Two electives explicitly comparative in nature. These literature courses may be taught in English. Examples: CLAS 0150; CLAS 0190; CMLT 0230; CMLT 0460; ENAM 0305; GRMN/CMLT 0333; ITAL/CMLT 0299. Suitable classes will be cross-listed and bear the prefix CMLT;

7. Senior Seminar: One seminar in literature in the student's primary or secondary language, preferably during the senior year;

8. Senior Work: Students will write a 35-page (article-length) *comparative* essay (advised independently). Students are responsible to choose their advisor and the members of their committee no later than the last week of classes in the preceding term. To be eligible for honors

students must have a departmental GPA of 3.7 and a B+ or above on their essay.

*In the case of students whose primary language is Arabic, Chinese, Russian, or Japanese, some of these three content courses MAY be taught in English, depending on the availability of suitable courses in the language. Students should be aware that policies regarding acceptance of study abroad courses to satisfy requirements vary widely from department to department.

## CMLT0101 Introduction to World Literature (Spring 2017)

This course is an introduction to the critical analysis of imaginative literature of the world, the dissemination of themes and myths, and the role of translation as the medium for reaching different cultures. Through the careful reading of selected classic texts from a range of Western and non-Western cultures, students will deepen their understanding and appreciation of the particular texts under consideration, while developing a critical vocabulary with which to discuss and write about these texts, both as unique artistic achievements of individual and empathetic imagination and as works affected by, but also transcending their historical periods. 3 hrs. lect./disc. **CMP, CW, LIT** (O. Zakai, J. Chen)

## CMLT0107 The Experience of Tragedy (Fall 2016)

For over two millennia tragedy has raised ethical questions and represented conflicts between the divine and the mortal, nature and culture, household and polity, individual and society. What is tragedy? What led to its production and what impact did it have, in ancient times? Why was it reborn in Shakespeare's time? How has tragedy shaped, and been shaped by, gender, class, religion, and nationality? We will address these questions and explore how tragedy continues to influence our literary expectations and experience. Authors may include Aeschylus, Sophocles, Euripides, Thucydides, Aristotle, Seneca, Marlowe, Shakespeare, Goethe, Nietzsche, O'Neill, Beckett, Kennedy, and Kushner. 3 hrs. lect. **EUR, LIT** (J. Berg)

## CMLT0150 Greek and Roman Epic Poetry (Fall 2016)

Would Achilles and Hector have risked their lives and sacred honor had they understood human life and the Olympian gods as Homer portrays them in the *Iliad*? Why do those gods decide to withdraw from men altogether following the Trojan War, and why is Odysseus the man Athena chooses to help her carry out that project? And why, according to the Roman poet Vergil, do these gods command Aeneas, a defeated Trojan, to found an Italian town that will ultimately conquer the Greek cities that conquered Troy, replacing the Greek polis with a universal empire that will end all wars of human freedom? Through close study of Homer's *Iliad* and *Odyssey*, and Vergil's *Aeneid*, we explore how the epic tradition helped shape Greece and Rome, and define their contributions to European civilization. 3 hrs. lect., 1 hr. disc. **CMP, EUR, LIT, PHL** (R. Ganiban)

## CMLT0201 The Fictions of Science and Science Fiction: Technological Fantasies in Global Context (Fall 2016)

In *The Human Condition*, Hannah Arendt refers to science fiction as âa vehicle for mass sentiments and mass desiresâ that bears witness to the fact that âscience has realized and affirmed what men anticipated in dreams that were neither wild nor idle.â Drawing on a wide range of literary, cinematic, and philosophical texts from Europe, Russia, Asia, Africa, and Latin

America, in this course we will examine how cultural specificity informs and responds to the demands of technological fantasy, and investigate the challenges and opportunities posed to the concept of âthe humanâ in an age dominated by technology. 3 hrs. lect. **CMP, LIT** (T. Portice)

## CMLT0205 Introduction to Contemporary Literary Theory (Fall 2016, Spring 2017)

This course will introduce several major schools of contemporary literary theory. By reading theoretical texts in close conjunction with works of literature, we will illuminate the ways in which these theoretical stances can produce various interpretations of a given poem, novel, or play. The approaches covered will include New Criticism, Psychoanalysis, Marxism and Cultural Criticism, Feminism, and Post-Structuralism. These theories will be applied to works by Shakespeare, Wordsworth, The BrontÃ«s, Conrad, Joyce, and others. The goal will be to make students critically aware of the fundamental literary, cultural, political, and moral assumptions underlying every act of interpretation they perform. 3 hrs. lect/disc. **EUR, LIT** (Fall 2016: A. Baldridge; Spring 2017: A. Losano)

## CMLT0210 Arabia: A Literary Approach (in English) (Fall 2016)

In this course we will examine the Arabian Peninsula as a literary topos that has beguiled representation in both Eastern and Western literature. Whether it is depicted as a glittering spectacle of petro-dollars, the haunt of Bedouin tribesmen or as a sacred focal point, Arabia is an open canvas on which successive societies have sketched their anxieties and aspirations Simultaneously, Arabia has its own rich legacy of self-representation that has been shaped by its harsh environment and unique resources. We will sift through these representations in texts that range among pre-Islamic poetry, the accounts of foreign explorers, novels by modern Arab authors, and contemporary Bedouin oral poetry. All readings will be in English and no previous knowledge of Arabic is required. 3 hrs. sem. **AAL, CW, LIT** (S. Liebhaber)

## CMLT0237 The Israeli-Palestinian Conflict in Literature and Film (Fall 2016)

The Israeli-Palestinian conflict has been the subject of diverse cultural productions from the beginning of the 20th century to the present day. In this course we will look at the representation of the conflict in Palestinian and Israeli literature and film, exploring the ways in which images, metaphors, and narratives shape and reflect political realities. The course will include the historical evolution of the conflict, and will introduce students to theoretical concepts of use in analyzing political issues through a cultural lens. We will also examine the intersections of the geo-political conflict with gender, sexuality, ethnicity and religion as represented in cinematic and literary works. Class materials will include the films, *Hill 24 Doesnât Answer*, *The Time that Remains*, *The Lemon Tree*, *The Bubble*, and *Avenge but One of My Two Eyes*, as well as works of poetry and prose by authors, Hayim Guri, Natan Aleterman, Dalia Rabikovitch, Amos Oz, Mahmood Darwish, Adania Shibli, Sayed Kashua, and Others. **AAL, CMP, LIT** (O. Zakai)

## CMLT0238 Literature and the Mystical Experience (Fall

## 2016)

In this course we will explore how narrative art articulates spiritual perception by examining selected works of 20th century writers such as Miguel De Unamuno, Nikos Kazantzakis, J. D. Salinger, Charles Williams, Flannery O'Connor, Thomas Merton, Alice Munroe, Marilynne Robinson, and Annie Dillard. Drawing on theology and philosophy as an interpretative mode, we will consider the following questions: How does literature illuminate selfhood and interiority? How do contemplation and ascetic practice guide the self to divine knowledge and cosmic unification? How do language, imagery and symbols shape the unitive experience as a tool for empathy and understanding of the other? 3 hrs. lect./1 hr. disc. **LIT, NOR, PHL** (M. Hatjigeorgiou)

## CMLT0277 The Arabian NightsâStorytelling, Orientalism, and Islamic Culture (Spring 2017)

In this course we will study the great medieval classic *The Arabian Nights* or *The Thousand and One Nights Entertainment*. Compiled in Egypt and Syria in the 14th century and translated into French and other European languages in the 17th and 18th centuries, this âocean storyâ has had a profound effect on the development of the literatures of both the Middle East and the West. The incorporation of âArabian Nightsâ motifs in European art and orientalist discourse will be central in our enquiry. This course is not open to students who have taken RELI/CMLT 1038. **AAL, CMP, LIT** (S. Goldman)

## CMLT0286 Philosophy & Literature (Fall 2016)

In this course we will explore the border both separating and joining philosophy and literature. How does literature evoke philosophical problems, and how do philosophers interpret such works? How does fiction create meaning? Beginning with Greek tragedy, we investigate Platoâs âquarrelâ with, and Aristotleâs defense of, poetry. Then we will turn to modern works, mostly European, on topics such as: tragedy and ethics; style and rhetoric; author and reader; time and temporality; mood and emotion; existence and mortality. Literary readings after Sophocles will be selected from Borges, Calvino, Camus, Kafka, Tolstoy, and Woolf. Philosophical readings after Plato and Aristotle will be selected from Bergson, Danto, Freud, Murdoch, Ricoeur, and Nussbaum. Not open to students who have taken PHIL/CMLT 1014. **CW, EUR, LIT, PHL** (M. Woodruff)

## CMLT0299 Literary Feasts: Representations of Food in Modern Narrative (in English) (Spring 2017)

This course will consider food and eating practices within specific cultural and historical contexts. We will analyze realistic, symbolic, religious, erotic, and political functions surrounding the preparation and consumption of food. Readings will be drawn from several national traditions, with a focus on Europe. Authors will include, among others, I. Dinesen, L. Esquivel, J. Harris, E. Hemingway, T. Lampedusa, P. Levi, C. Petrini, M. Pollan, E. Vittorini, and B. Yoshimoto. Viewing of several films where food and eating play an important role will supplement class discussion. **EUR, LIT** (S. Carletti)

## CMLT0304 Literature, Nature, and the Manmade (Fall

## 2016)

In this course we will explore the relationship between literature, nature, and the manmade. Modern and contemporary writers have had a difficult relationship with nature and the natural world because, since Enlightenment, technology, architecture, and economy have made and mediated that world decisively. And yet, authors have flirted with the idea of nature, unsullied or not, as entangled with the literary form. We will also explore those entanglements in the works of Western and non-Western authors such as Joseph Conrad, Franz Kafka, Premchand, Manik Bandopadhyay, Laszlo Krasznahorkai, Mongo Beti, Phaswane Mpe, and others. 3 hrs. lect./disc. **CMP, LIT** (A. Paul)

## CMLT0306 Ethnography and Fiction (Spring 2017)

In this course, we will study the relationship between ethnography and voyeurism in fiction. While ethnography is the staple of anthropologists studying foreign cultures, writers often use ethnography in voyeuristic ways to study their own. This has affected genres, techniques, and cultural discourses in the 19th and 20th centuries. We will study Joseph Conradâs explorations of âdarknessâ in colonial Belgian Congo, Amos Tutuolaâs investigation of âbroken languageâ in postcolonial Nigeria; K. Sello Duikerâs writing on the mixology of race, sex, and violence in post-apartheid South Africa; Tarashankar Bandopadhyayâs alleged âcreolizationâ of language in interwar India; and Laszlo Krasznahorkaiâs interrogation of âstrangenessâ in conflict-ridden Hungary. 3 hrs. sem. **AAL, CMP, LIT** (A. Paul)

## CMLT0317 Lost & Found in Translation (Fall 2016)

In this course we will explore the fundamental philosophical, sociological, and linguistic questions raised by translingual communication through a survey of the greatest theoretical writings on translation together with a comparative study of multiple translations of coherent sections from major works such as the Bible, the *Iliad*, *One Thousand and One Nights*, and the *Tao Te Ching*, as well as other shorter texts. Questions to be considered include: How much does language determine how we think? How much of language is culture? What is unique to translating sacred texts, poetry, âexoticâ languages, and dead languages? How do we define the âuntranslatableâ? Are translators traitors, drudges, or artists? Can machines translate? 3 hrs. lect./disc. **AAL, CMP, LIT** (T. Billings)

## CMLT0325 Chinese Poetry in the Far West (Spring 2017)

Although Tang poetry is recognized as one of the great achievements of world literature, much of its beauty is often lost in translation. In this courseâintended for students with no knowledge of Chineseâwe will thus devote a significant portion of our time learning from scratch how to read Tang poetry in the original by studying the most common characters and the most fundamental grammatical structures found in the Tang âsonnet.â We will also discuss such topics as: differences between Chinese and European poetics; theories of translation and intercultural adaptation; Orientalist fantasies of the ideogram; and the impact of Chinese poetry on Imagism. Students will study and write multiple translations in various styles. Readings will include both poetry and critical theory. No knowledge of Chinese is necessary. 3 hrs. lect./disc. **CMP, LIT** (T. Billings)

## CMLT0375 Colonial Discourse and the âLusophone Worldâ

## (Fall 2016)

In this course we will analyze how European colonialism and imperial endeavors produced meaning, particularly in the interconnected realms of culture, race, language, gender, sexuality, and place. In addition to studying the colonial period, we will pay particular attention to the role and manifestations of colonial discourse more contemporarily in the contexts of nationhood, globalization, sports, and cultural consumption. In doing so, we will address the problematics of the concept of âLusophone,â starting with the historical legacies and cultural implications of such a transnational entity. Course materials will include critical theory, literary texts, primary historical sources, visual media, and music from Brazil, Lusophone Africa, Lusophone Asia, and Portugal. (PGSE 0215 or equivalent) 3 hrs. lect./disc. **AAL, CMP, LNG, SOC** (D. Silva)

## CMLT0450 History of Classical Literature (Fall 2016)

A comprehensive overview of the major literary, historical, and philosophical works of Greece and Rome. Greek authors studied include Homer, Aeschylus, Sophocles, Herodotus, Aristophanes, Thucydides, Plato, and Aristotle. Roman authors include Lucretius, Cicero, Livy, Vergil, Petronius, and Tacitus. Required of senior majors in Classics/Classical Studies (see CLAS 0701) and open to all interested students with some background in Greek and Roman literature, history, or philosophy. 3 hrs. lect. (P. Sfyroeras)

## CMLT0500 Independent Study (Fall 2016, Spring 2017)

Approval Required

## CMLT0700 Senior Thesis (Fall 2016, Spring 2017)

Approval required.

### Computer Science

Computer Science is a rich and dynamic discipline that seeks to understand and use effectively the great potential of computing. The Department of Computer Science offers a wide variety of courses that integrate computer science into the liberal arts curriculum. The major can be completed through two tracks. The traditional track provides students with a solid background in algorithmic reasoning, problem solving, design and organization of modern computers and programming languages, and the ability to apply computational thinking to different applications and problem domains. Theinterdisciplinary track first provides a solid background in computer science including algorithms and data structures, and then allows students to apply this knowledge to specific problem domains in related disciplines and to forge interdisciplinary connections. The department currently allows two interdisciplinary areas of focus: spatial and geometric computation, focusing on applying computational approaches to spatial problems in areas such as geography or architecture; and scientific computation, focusing on computational problems in the physical and natural sciences such as physics or biology.

Required for the Major in Computer Science, traditional track (11 courses): One CSCI course at the 0100-level; CSCI 0200, CSCI 0201, CSCI 0202, CSCI 0301, CSCI 0302, CSCI 0701; two courses from among CSCI 0311, CSCI 0312, CSCI 0313, CSCI 0314; and two additional CSCI electives at the 0300-level or above. One elective can be substituted with MATH 0200 or MATH

0228.

Required for the Major in Computer Science, interdisciplinary track (11 courses): One CSCI course at the 0100-level; CSCI 0200, CSCI 0201, CSCI 0202, CSCI 0302, CSCI 0701; and five electives, two or three of them interdisciplinary, as specified by area of focus below. Note that many of the interdisciplinary electives have additional prerequisites.

For the spatial and geometric focus, CSCI 0190 is recommended at the 100-level, and the five electives must include: two CSCI electives numbered 0300 or above, one of which from CSCI 0390, CSCI 0425, CSCI 0453, CSCI 0461, or CSCI 0465; two interdisciplinary electives from the following list and from the same discipline: MATH 0200, MATH 0335, GEOG 0120, any GEOG course with GIS focus at the 0300 level, HARC 0130, and HARC 0231; and one additional interdisciplinary or CSCI elective from the previous lists.

For the scientific computation focus, CSCI 0150 is recommended at the 0100-level, and the five electives must include: two CSCI electives numbered 0300 or above; two interdisciplinary electives from the following list: PHYS 0212, PHYS 0220, PHYS 0221, MBBC 0324, and at most one statistics course among BIOL 0211, MATH 0116, PSYC 0201, ECON 0210, or MATH 0311; and one additional elective from the preceding list of science courses, from MATH 0200 or MATH 0228, or from any CSCI courses numbered 0300 or above.

**Departmental Honors:** Required forhonorsare:1. A grade of "B" or higher in the senior seminar CSCI 701, which contains a significant independent project; 2.An extra CSCI coursein addition to the 11 courses required for the major;3.participation in department extra-curricular or service activities such as tutoring, grading, sys-admin work, student-faculty research, or programming competitions; and4. a major GPA of at least 3.5 forhonors, 3.7 for highhonors, and 3.9 for highesthonors. The required extra course can beany CSCI elective at the 0300-level or above for regularhonors, whilehigh and highesthonorsrequirethe senior thesis CSCI 0702.

**Required for the Minor in Computer Science (6 courses):**One CSCI course at the 0100-level; CSCI 0200, CSCI 0201, CSCI 0202, and two CSCI electives at the 0300-level or above.

**Joint Majors:**The computer science component of a joint major requires: One CSCI course at the 0100-level, CSCI 0200, CSCI 0201, CSCI 0202; one course from CSCI 0301 and CSCI 0302; two CSCI electives at the 0300-level or above; and CSCI 0701.

**Advanced Placement and Waivers:**First-year students whose secondary preparation indicates they can bypass one or more beginning courses should speak to a faculty member to determine the appropriate first course. College credit is given to students who achieve a score of 4 or 5 on the AP computer science A exam. CSCI 0200 may be waived for students who have completed MATH 0310 or MATH 0318 or both MATH 0200 and MATH 0247, or in consultation with the department chair.

## CSCI0101 Introduction to Computing (Fall 2016, Spring 2017)

In this course we will provide a broad introductory overview of the discipline of computer science, with no prerequisites or assumed prior knowledge of computers or programming. A significant component of the course is an introduction to algorithmic concepts and to programming using Python; programming assignments will explore algorithmic strategies such as selection, iteration, divide-and-conquer, and recursion, as well as introducing the Python

programming language. Additional topics will include: the structure and organization of computers, the Internet and World Wide Web, abstraction as a means of managing complexity, social and ethical computing issues, and the question "What is computation?" (Seniors by waiver) 3 hr. lect./lab **DED** (Fall 2016: C. Andrews; Spring 2017: A. Briggs)

## CSCI0150 Computing for the Sciences (Fall 2016, Spring 2017)

In this course we will provide an introduction to the field of computer science geared towards students interested in mathematics and the natural sciences. We will study problem-solving approaches and computational techniques utilized in a variety of domains including biology, chemistry, physics, and engineering. Students will learn how to program in Python and other languages, how to extract information from large data sets, and how to utilize a variety of tools employed in scientific computation. The course has no prerequisites and assumes no prior experience with programming or computer science. 3 hrs. lect./lab **DED** (Fall 2016: M. Linderman; Spring 2017: D. Scharstein)

## CSCI0200 Mathematical Foundations of Computing (Fall 2016, Spring 2017)

In this course we will provide an introduction to the mathematical foundations of computer science, with an emphasis on formal reasoning. Topics will include propositional and predicate logic, sets, functions, and relations; basic number theory; mathematical induction and other proof methods; combinatorics, probability, and recurrence relations; graph theory; and models of computation. (One CSCI course at the 0100-level previously or concurrently) 3 hrs. lect./lab **DED** (A. Briggs)

## CSCI0201 Data Structures (Fall 2016, Spring 2017)

In this course we will study the ideas and structures helpful in designing algorithms and writing programs for solving large, complex problems. The Java programming language and object-oriented paradigm are introduced in the context of important abstract data types (ADTs) such as stacks, queues, trees, and graphs. We will study efficient implementations of these ADTs, and learn classic algorithms to manipulate these structures for tasks such as sorting and searching. Prior programming experience is expected, but prior familiarity with the Java programming language is not assumed. (One CSCI course at the 0100-level) 3 hrs. lect./lab **DED** (Fall 2016: D. Scharstein; Spring 2017: A. Christman)

## CSCI0202 Computer Architecture (Fall 2016, Spring 2017)

A detailed study of the hardware and software that make up a computer system. Topics include assembly language programming, digital logic design, microarchitecture, pipelines, caches, and RISC vs. CISC. The goal of the course is teach students how computers are built, how they work at the lowest level, and how this knowledge can be used to write better programs. (CSCI 0201 previously or concurrently) 3 hrs. lect./lab **DED** (P. Johnson)

## CSCI0301 Theory of Computation (Fall 2016)

This course explores the nature of computation and what it means to compute. We study important models of computation (finite automata, push-down automata, and Turing machines) and investigate their fundamental computational power. We examine various problems and try to determine the computational power needed to solve them. Topics include deterministic versus non-deterministic computation, and a theoretical basis for the study of NP-completeness. (CSCI 0200 and CSCI 0201) 3 hrs. lect./disc. **DED** (A. Briggs)

## CSCI0302 Algorithms and Complexity (Fall 2016, Spring 2017)

This course focuses on the development of correct and efficient algorithmic solutions to computational problems, and on the underlying data structures to support these algorithms. Topics include computational complexity, analysis of algorithms, proof of algorithm correctness, advanced data structures such as balanced search trees, and also important algorithmic techniques including greedy and dynamic programming. The course complements the treatment of NP-completeness in CSCI 0301. (CSCI 0200 and CSCI 0201) 3 hrs. lect./disc. **DED** (A. Christman)

## CSCI0311 Artificial Intelligence (Fall 2016)

Artificial Intelligence (AI) is the study of computational systems that exhibit rational behavior. Applications include strategic game playing, medical diagnosis, speech and handwriting recognition, Internet search, and robotics. Course topics include intelligent agent architectures, search, knowledge representation, logical reasoning, planning, reasoning under uncertainty, machine learning, and perception and action. (CSCI 0200 and CSCI 0201) 3 hrs. lect./lab **DED** (A. Christman)

## CSCI0312 Software Development (Spring 2017)

This course examines the process of developing larger-scale software systems. Laboratory assignments emphasize sound programming practices, tools that facilitate the development process, and teamwork. (CSCI 0200 previously or concurrently, and CSCI 0201) 3 hrs. lect./lab (C. Andrews)

## CSCI0313 Programming Languages (Spring 2017)

A systematic approach to concepts and features of programming languages. The course focuses on four major programming paradigms: procedural, object-oriented, functional, and logic programming languages. Students will program in several languages representing the different paradigms. Topics include grammars, data types, control structures, run-time organization, procedure activation, parameter passing, higher-order functions, lambda expressions, and unification. (CSCI 0200 and CSCI 0202) 3 hrs. lect./lab **DED** (D. Scharstein)

## CSCI0321 Bioinformatics Algorithms (Spring 2017)

In this course we will explore and implement algorithmic solutions to modern biology questions.

Students will be introduced to motivating biological questionsâsuch as, âHow do we compare DNA sequences?ââand then implement solutions to those problems using dynamic programming, graph, randomized, combinatorial and/or other algorithmic approaches. At the completion of the course students will be able to precisely define computational biology problems, design an algorithmic solution and implement that solution in software. No biology background is assumed, but students are expected to be able to implement sophisticated algorithms in Python or another language of their choice. (CSCI 201) 3 hrs. lect./lab. DED **DED** (M. Linderman)

## CSCI0413 Functional Programming (Fall 2016)

In this course we will explore an approach to describing computation that focuses on functions (in the mathematical sense) rather than objects or procedures. In the process of learning a widely-used functional programming language, students will gain experience with existing patterns of higher-level abstraction in computation (exemplified by the Map-Reduce model popularized by Google), practice identifying and implementing their own higher-level abstractions, learn about classes of real-world problems that are particularly amenable to functional solutions, and implement solutions to some of those problems. Students in this course will learn approaches to problem solving using computers that will be relevant no matter what languages they use in the future. (CSCI 0200 and CSCI 0201) 3 hrs. lect./lab. **DED** (P. Johnson)

## CSCI0461 Computer Graphics (Fall 2016)

Computer graphics is the study of how computers represent, manipulate, and ultimately display visual information. In this course we will focus primarily on three-dimensional graphics, touching on topics such as modeling (meshes, hierarchical models, and transformations), rendering (lighting, texturing, rasterization, and clipping), animation, and GPU programming. We will look at the mathematical foundations of these techniques as well as implementation techniques using OpenGL. (CSCI 0202 and MATH 0200) 3 hrs. lect./lab **DED** (C. Andrews)

## CSCI0466 Usable Interface Design for Mobile Applications (Spring 2017)

In this course we will explore the fundamental concepts of human-computer interaction and interface design. We will focus on applying an iterative, human-centric design process to mobile development. Topics will include user interface design, user experience, usability, prototyping, user testing, and mobile development. A significant portion of the class will be spent developing a mobile app, walking it through the various prototyping and testing stages. (CSCI 0311 or CSCI 0312 or CSCI 0313 or CSCI 0314) 3 hrs. lect./lab, DED **DED** (C. Andrews)

## CSCI0500 Advanced Study (Fall 2016, Spring 2017)

Individual study for qualified students in more advanced topics in computer science theory, systems, or application areas. Particularly suited for students who enter with advanced standing. (Approval required) 3 hrs. lect.

## CSCI0701 Senior Seminar (Fall 2016, Spring 2017)

This senior seminar provides a capstone experience for computer science majors at Middlebury College. Through lectures, readings, and a series of two to three week individual and group assignments, we will introduce important concepts in research and experimental methods in computation. Examples will include: reading research papers; identifying research problems; dealing with big data; experimental design, testing and analysis; and technical writing in computer science. (Approval only). (M. Linderman, D. Scharstein)

## CSCI0702 Senior Thesis (Fall 2016, Spring 2017)

The senior thesis is required for all CSCI majors who wish to be considered for departmental honors, and is recommended for students interested in pursuing graduate study in computer science. Students will spend the semester researching and writing, and developing and experimenting as appropriate for their topic. All students will be expected to report on their work in the form of a written thesis, a poster, and an oral presentation at the end of the semester. In addition, throughout the semester, students will meet as a group to discuss research and writing, and will be expected to attend talks in the Computer Science lecture series. Before approval to join the class is granted, students are expected to have chosen a thesis adviser from the CSCI faculty, and determined a thesis topic with the guidance and approval of that adviser. (CSCI 0701 and approval required) 3 hrs. lect./disc. (Fall 2016: D. Scharstein; Spring 2017: P. Johnson)

### Dance

Consistent with its liberal arts mission, the Dance Program offers a rich set of eight foundational courses required of all Dance majors. Beyond these shared foundational courses, students take additional courses specific to one of three tracks: Choreography and Performance, Production and Technology, and Theory and Aesthetics. The complete requirements for each track (foundational courses plus track-specific courses) are as follows:

Choreography & Performance Track
1. 0116 (Creative Process)
2. 0260 (Advanced Beginning Dance)
3. 0261 (Introduction to Improvisation)
4. 0284 (Dance History)
5. 0360 (Intermediate/Advanced Dance)
6. 0370 (Production Workshop) or 0361 (Movement and Media)
7. 0376 (Anatomy & Kinesiology)
8. 0460 (Advanced Dance)
9. 0500 (Production Seminar)
10. 0700 (Senior Work)
11. Z-Lab (0470)

This track represents the core curriculum of the dance program for students primarily focused on contemporary approaches to technique, composition and performance. The culminating senior work in this track will take the form a formal concert work and written thesis.

Production & Technology Track
1. 0116 (Creative Process)
2. 0260 (Advanced Beginning Dance)
3. 0261 (Introduction to Improvisation)
4. 0284 (Dance History)

5. 0361 (Movement & Media)
6. 0370 (Production Workshop)
7. 0376 (Anatomy & Kinesiology)
8. 0460 (Advanced Dance) - Design Focused
9. 0700 (Senior Work) - Design & Production
10. 2 other Elective Courses from the Following Disciplines: (by advisor approval)

- Studio Art
- Architecture Studies
- Theatre
- Film and Media Culture

This track represents a directed course of study for students primarily focused on the skills and methods of dance production and media, digital representations of the body, and current innovations and aesthetic models presented by the confluence of dance and the digital age. The culminating senior work in this track will involve all elements of the production of a design-focused concert work and a written thesis.

Dance Studies Track (Theory & Aesthetics)
1. 0116 (Creative Process)
2. 0260 (Advanced Beginning Dance)
3. 0261 (Introduction to Improvisation)
4. 0284 (Dance History)
5. 0360 (Intermediate/Advanced Dance)
6. 0376 (Anatomy & Kinesiology)
7. 0460 (Advanced Dance)
8. 0500 (Production Seminar)
9. 0700 (Senior Work)
10. 2 other elective courses from the following disciplines: (by advisor approval)

- English and American Literature
- History
- Philosophy
- Sociology/Anthropology

This track represents a directed course of study for students interested in dance as a focus for scholarly work and theoretical inquiry by developing the ability to articulate the interdisciplinary and intercultural aspects of dance, as well as write about the potential of the moving body to both reflect and impact culture. The culminating senior work in this track will take the form a public lecture and written thesis.

**Joint Major Requirements**
1. ARDV 0116 (Creative Process)
2.DANC 0284 (Dance History)
3.DANC 0376 (Anatomy & Kinesiology)
4. Three semesters of technique and choreography at or above the 0200 level
5.DANC 0700 (Senior Work)

**Minor Requirements**
1. ARDV 0116 (Creative Process)
2.DANC 0284 (Dance History)
3.DANC 0376 (Anatomy & Kinesiology)

4.Two semesters of technique and choreography at or above the 0200 level

Honors-Dance: Honors, high honors, or highest honors are awarded to graduating seniors in the dance program based upon a grade point average of A- or better in department and cognate courses, a grade of A- or better on the DANC 0700 Senior Independent Project, and overall distinction in the program. Normally only full majors will be eligible for highest honors.

## ARDV0116 The Creative Process (Fall 2016, Spring 2017)

In this course, students will have the opportunity to dig deeply into their own creativity and explore the processes by which ideas emerge and are given shape in the arts. The experiential nature of this course integrates cognition and action, mind and body. Students will engage a range of modes of discovering, knowing, and communicating, which are designed to push them beyond their present state of awareness and level of confidence in their creative power. Practical work will be closely accompanied by readings and journaling, culminating with the creation and performance of a short project. (First- and second-year students only; Not open to students who have taken FYSE 1364) 3 hrs. lect. **ART** (Fall 2016: A. Draper; Spring 2017: M. Veikley, L. Winfield)

## DANC0160 Introduction to Dance (Fall 2016, Spring 2017)

This entry-level dance course introduces movement techniques, improvisation/composition, performance, experiential anatomy, and history of 20th century American modern dance. Students develop flexibility, strength, coordination, rhythm, and vocabulary in the modern idiom. Concepts of time, space, energy, and choreographic form are presented through improvisation and become the basis for a final choreographic project. Readings, research, and reflective and critical writing about dance performance round out the experience. 2 hrs. lect./3 hrs. lab **ART, PE** (Fall 2016: P. McGregor; Spring 2017: G. Hardwig)

## DANC0163 From Africa to the Americas: Moving from Our Core (Spring 2017)

This course is an introduction to dance emphasizing the influence of traditions from the African Diaspora on contemporary modern dance. Technique sessions incorporate styles from West Africa and Central and South America with performance work. Discussion of readings on the history and current practice of movement forms originating in Africa, as well as on the work of artists developing fusion styles, supports written and creative work. Compositional studies explore the intersection between technique, history/theory, and performance. (No previous dance experience required.) 2 hrs. lect./3 hrs. lab **ART, PE** (C. Brown)

## DANC0260 Advanced Beginning Dance I (Spring 2017)

This is the first course in the studio sequence for students entering Middlebury with significant previous dance experience. It is also the course sequence for those continuing on from DANC 0160 or DANC 0161 and provides grounding in the craft of modern dance needed to proceed to more advanced levels. Modern dance movement techniques are strengthened to support an emerging individual vocabulary and facility with composition. Students regularly create and

revise movement studies that focus on the basic elements of choreography and the relationship of music and dance. Readings, journals, and formal critiques of video and live performance contribute to the exploration of dance aesthetics and develop critical expertise. (DANC 0160 or by approval) 3 hrs. lect./3 hrs. lab **ART, PE** (G. Forestieri)

## DANC0261 Improvisational Practices (Fall 2016)

In this course students will gain an embodied understanding of the practices and techniques needed to proceed to advanced improvisational work. Research into forms such as partnering, ensemble work, text, musical exercises, compositions, and scores/projects will focus on mapping the moving body in the moment. Readings, journals, and responses to video viewings and live performances contribute to the exploration of historical contexts, aesthetics, and cultural improvisations. (DANC 0260 or by approval) 3 hrs. lect./3 hrs. lab **ART, PE** (L. Winfield)

## DANC0277 Body and Earth (Spring 2017)

This course has been designed for students with an interest in the dialogue between the science of body and the science of place. Its goals are to enhance movement efficiency through experiential anatomy and to heighten participants' sensitivity to natural processes and forms in the Vermont bioregion. Weekly movement sessions, essays by nature writers, and writing assignments about place encourage synthesis of personal experience with factual information. Beyond the exams and formal writing assignments, members of the class will present a final research project and maintain an exploratory journal. 3 hrs. lect. 1 hr. lab. **ART, CW, NOR, PE** (G. Forestieri)

## DANC0284 Modern Dance History in the United States: Early Influences to Postmodern Transformations (Fall 2016)

In this seminar we will focus on the emergence and development of 20th century American concert dance--especially modern and postmodern dance forms--from the confluence of European folk and court dance, African and Caribbean influences, and other American cultural dynamics. We will look at ways in which dance reflects, responds to, and creates its cultural milieu, with special attention to issues of gender, race/ethnicity, and class. Readings, video, and live performance illuminate the artistic products and processes of choreographers whose works mark particular periods or turning points in this unfolding story. Our study is intended to support informed critical articulations and an understanding of the complexity of dance as art. 3 hrs. lect./2 hrs. screen. **ART, HIS, NOR** (K. Miranda)

## DANC0285 Ethics, Aesthetics, and the Moving Body (Spring 2017)

What are you willing to do to "look right?" In this course we will investigate how questions about what is good, and what is beautiful, affect how we treat our bodies. We will explore somatic techniques, in which the body is used as a vehicle for understanding compassion. In contrast, we will examine the extreme physical regimens of concert dance techniques that originated in the U.S., Europe, and Asia, in which the body is seen as an object to be molded into an aesthetic ideal. The course will utilize readings in philosophy and dance history, reflective and research

based writing, and movement practices. (No previous experience necessary) 3 hrs. lect./1 hr. lab **ART, CW** (K. Miranda)

## DANC0360 Intermediate/Advanced Dance I (Fall 2016)

This course involves concentrated intermediate-advanced level work in contemporary dance technique and choreography culminating in production. Theoretical issues of importance to the dancer/choreographer are addressed through readings, writings and practice. (DANC 0261 or by waiver; this course may be taken in any sequence with DANC 0361, DANC 0460, DANC 0461) 3 hrs. lect./3 hrs. lab **ART, PE** (P. McGregor)

## DANC0361 Movement and Media (Spring 2017)

In this course we will take an interdisciplinary look at the dynamic relationship between the body and digital media. Students will develop skills in basic film editing, real-time software manipulation, open-source media research, project design, and collaboration. We will address design history and theories of modern media through readings and multimedia sources. Process and research papers and work-in-progress showings will document ongoing collaborations that will culminate in an informal showing at the end of the semester. This course is open to students of all artistic backgrounds who are interested in significantly expanding their creative vocabularies and boundaries to include dance. (Approval required; DANC 0261 required for dance students) 3 hrs. lect., 3 hrs. lab. **ART, PE** (G. Hardwig)

## DANC0370 Production Workshop (Fall 2016)

In preparing two fully produced dance productions for the stage, students will participate in and be exposed to professional production practices in all areas of dance technical design, including sets, costumes, props, lights, and sound. Students will be involved in planning, building, operating, lighting, documenting, striking, and publicizing fully produced dance program concerts. (6 hrs. lab) **ART, PE** (J. Ponder)

## DANC0376 Anatomy and Kinesiology (Fall 2016)

This course offers an in-depth experiential study of skeletal structure, and includes aspects of the muscular, organ, endocrine, nervous, and fluid systems of the human body. The goal is to enhance efficiency of movement and alignment through laboratory sessions, supported by assigned readings, exams, and written projects. (Not open to first-year students) 3 hrs. lect. **ART, PE** (G. Hardwig)

## DANC0380 Dance Company of Middlebury (Fall 2016)

Dancers work with the artistic director and guest choreographers as part of a dance company, learning, interpreting, rehearsing, and performing dances created for performance and tour. Those receiving credit can expect four to six rehearsals weekly. Appropriate written work, concert and film viewing, and attendance in departmental technique classes are required. Auditions for company members are held in the fall semester for the year. One credit will be given for two terms of participation. Performances and tour are scheduled in January. (Limited to sophomores through seniors, by audition.) (DANC 0260; Approval required) 4 hrs. lect./4 hrs. lab **ART, PE** (G. Hardwig)

## DANC0460 Intermediate/Advanced Dance III: The Place of Dance (Fall 2016)

In this course we will investigate three aspects of place in relation to dance: where we source movement, the relevance of dance in culture, and the effects of place on the moving dancing body. Material covered will include body systems dance technique at the intermediate/advanced level, improvisation and composition toward choreography and site specific work, readings and reflective writing, and performance viewing. The course culminates in formal and informal showings of performance work. The emergence of a personal philosophy and dance aesthetic will be engaged and formally articulated in writing. (DANC 0261; this course may be taken in any sequence with DANC 0360, DANC 0361, DANC 0461) 4.5 hrs. lect./2 hrs. lab. **ART, PE** (G. Forestieri)

## DANC0461 Intermediate/Advanced Dance IV: Advanced Dance Improvisation (Spring 2017)

Students will gain rigorous training in the simultaneous conception, composition, and performance of dance works. This will include units in techniques such as contact improvisation, performance improvisation, site specific work, musical collaboration, and elemental integration. The body will be developed as an articulate, responsive instrument while the mind is honed toward quick, clear perception of potential form with a willingness to act and react. Personal philosophy and dance aesthetics will be cultivated and formally articulated in writing. Musicians proficient with their instrument and interested in improvisation are strongly encouraged to seek admission. (Required for dancers: DANC 0261 or by waiver; this course may be taken in any sequence with DANC 0360, DANC 0361, DANC 0460) 6 hrs lect. **ART, PE** (L. Winfield)

## DANC0470 Technique Workshop (Spring 2017)

This advanced physical and theoretical study of a variety of movement techniques will further prepare dance majors and minors for the rigors of performance, technical craft, and physical research. Exercises and discussions will revolve around increased subtlety, strength, flexibility, musicality, and dynamics with the goal of heightening the communicative range of the moving body. Rotating movement aesthetics taught by dance faculty. (Approval required) **ART, PE** (C. Brown, G. Forestieri, G. Hardwig, P. McGregor)

## DANC0500 Independent Project (Fall 2016, Spring 2017)

(Approval Required)

## DANC0700 Independent Project (Fall 2016, Spring 2017)

(Approval Required)

### Economics

I. ***Required for the Major***

The economics major consists of four sequences.

***Introductory Sequence***: ECON 0150 and ECON 0155. Neither ECON 0150 nor ECON 0155 assumes any prior exposure to economics, but both courses presume a thorough working knowledge of algebra. Note: Students must pass ECON 0150 and ECON 0155 with at least a C- to be admitted into ECON 0250 and ECON 0255 respectively without a waiver.
***Quantitative Sequence***: The quantitative sequence in economics consists of two courses. The first course can be ECON 0210, MATH 0116, or MATH 0310, PSYC 0201, or BIOL 0211. (ECON 0210 may not be taken concurrently with MATH 0116, MATH 0310, PSYC 0201, or BIOL 0211. Credit is not given for ECON 0210 if the student has taken MATH 0116, MATH 0310, PSYC 0201, or BIOL 0211.) Students with strong mathematical background wanting to take MATH 0410 (Stochastic Processes) should take MATH 0310 rather than MATH 0116 or ECON 0210, since MATH 0310 is a prerequisite for MATH 0410. The second course in the sequence is ECON 0211. Students must pass ECON 0210 with at least a C- to be admitted into ECON 0211 without a waiver. MATH 0121 (or their AP or IB equivalents) is a prerequisite for ECON 0211 and ECON 0255. (In special circumstances, students who have a strong background in high school calculus, but did not do the AP or IB equivalent, may substitute either MATH 0200 or CSCI 0101 for MATH 0121 with approval by the economics chair.)
***Intermediate Theory Sequence for students entering in Spring 2013 and earlier***: ECON 0250 and ECON 0255. Credit for MATH 0121 (the equivalent or higher) is a prerequisite for ECON 0255.
***Intermediate Theory Sequence for students entering in Fall 2013 and later***: ECON 0250; ECON 0255; and one of ECON 0212, ECON 0229, or ECON 0280.
Note: It is important, especially for those planning to study abroad for a full year that the above three sequences be completed by the end of the sophomore year.
***Elective Sequence***: Majors are required to take at least four electives, two of which must either be at the 0400-level or a combination of one 0400-level and the ECON 0701/0702 senior workshop sequence. The other two electives may be 0200-, 0300-, or 0400-level courses. All majors must take at least six economics courses in the major at Middlebury, including one 0400- or 0701/0702 sequence. The 0400-level courses are seminars that typically enroll no more than 16 students, have intermediate theory as a prerequisite, and serve as a capstone experience for the major. Emphasis is placed on reading, writing, and discussion of economics at an advanced level. The 0701/0702 workshops are seminars that typically enroll eight students, have intermediate theory and a field course as a prerequisite, and involve writing an independent research paper. The difference between an ECON 0400-level seminar and an ECON 0701/0702 workshop is the degree of independence the student has and the level of sophistication expected in the paper. Any student wanting honors in economics must take ECON 0701and ECON 0702. Because of space constraints, ECON 0701/0702 workshops are initially reserved for straight economics majors; others, including minors and majors in programs that include economics will be admitted on a space available basis.
Courses that do not count towards the major or minor: ECON 0205 (Economics of Investing) will not count towards the major, though ECON 0205 will count towards the minor. Beginning Fall 2014, ECON 0240 does not count towards the major or minor requirements. Only two of the following four courses, if completed before Fall 2014, will count towards the major requirements: ECON 0316, ECON 0317, ECON 0412, and ECON 0475. ECON 0500 does not count towards the major or minor requirements . Economics electives taken during the winter term will count towards the major or the minor only if so designated in the winter term catalog.
***Honors***: To be eligible for honors in economics, students must take the Senior Research sequence (ECON 0701 and ECON 0702) during their senior year. The purpose of this two-semester sequence is to foster independent student research, culminating in a research paper in the style of an economics journal article. Prior to enrolling in ECON 0701, students must have taken a minimum of six economics courses at Middlebury approved to count towards the major requirements. Each course in the sequence will have no more than eight students who will work

on their projects for two semesters (either fall/winter or winter/spring) and will include both individual meetings and group meetings to develop new techniques and present and discuss research. Students who have prearranged a research topic with the professor will be given priority in admission to the seminar. Also, because of limited resources for guiding senior work, students with a single major in economics will be given priority over double majors who will do senior work in other departments. Students interested in pursuing departmental honors must take the Senior Research Workshop sequence (ECON 0701 and ECON 0702) during their senior year. To receive departmental honors the student must receive a minimum grade of A- in ECON 0701 and ECON 0702, and have a 3.5 or higher GPA in all economics courses taken at Middlebury approved to count towards the major requirements. High Honors requires a minimum grade of A in ECON 0701 and ECON 0702, and a 3.75 or higher economics GPA. Highest Honors requires a minimum grade of A in ECON 0701 and ECON 0702, and a 3.9 or higher economics GPA.
***Joint Majors***: The Department of Economics does not offer a joint major.

***International Politics and Economics Major*:** Please refer to the International Politics and Economics section of the catalog for details about the major or visit the International Politics & Economics webpage for the most current information.
***International and Global Studies Major***: Please refer to the International and Global Studies section of the catalog for details about the major or visit the International and Global Studies webpage for the most current information.
***AP Credit Policy***: To obtain credit, students will need to submit their official scores to the Registrar's Office and obtain approval from the department chair. Students who score a 5 on the Advanced Placement exam in Macroeconomics or Microeconomics will receive credit for Introductory Macroeconomics (ECON 0150) or Introductory Microeconomics (ECON 0155) respectively and cannot enroll in these courses at Middlebury. Students who score a 5 on the advanced placement exam in statistics are strongly encouraged to enroll in Economic Statistics (ECON 0210) but they may choose to use their AP credit instead. Note: Students may not receive AP credit and course credit for the same course.
Students who score a 4 on the advanced placement exam in Macroeconomics, Microeconomics or Statistics must earn a B- or better grade in the corresponding intermediate-level course ECON 0250, ECON 0255, or ECON 0211, respectively, to receive college credit for the AP course. Note: Students are required to complete an additional elective for each of these courses when a grade of B- or higher is not earned in the corresponding intermediate-level course.
***International Baccalaureate/A-Levels***: Students who have completed an International Baccalaureate or the equivalent of the introductory sequence abroad before coming to Middlebury and have earned a score of 7 on IB Economics or a grade of A on A-Level Economics should begin their studies of Macroeconomics and Microeconomics with ECON 0250 and ECON 0255. These students will be given one course credit toward the economics major, and will be prohibited from enrolling in ECON 0155 or ECON 0150. Students who have earned a score of 6 on IB economics or a grade of B on A-Level economics are encouraged to begin their studies of Macroeconomics and Microeconomics with ECON 0250 and ECON 0255, but they may elect to enroll in ECON 0155 or ECON 0150. Students majoring or minoring in Economics will need to replace the other introductory course with an ECON elective. Students who have completed a statistics course with a score of 6 or higher on IB Statistics, or a grade of B or better on A-Level Statistics are exempt from ECON 0210, and may begin their course of study of economics statistics with ECON 0211 or MATH 0310. If they choose to start with ECON 0211, they will need to replace the ECON 0210 with an ECON elective. The same rules apply where ECON courses are requirements for other majors.
***Transfer of Credit***: Students may take economics courses in approved programs (abroad and domestic) and have those courses count towards the major and/or the general graduation

requirement. Summer school courses will generally not be given credit for the major unless there is an overriding reason to take a summer school course. Any summer school course must meet a minimum of six weeks and have at least 36 hours of class time. Students planning to take courses off-campus should discuss the proposed course(s) with their advisor and get pre-approval from the chair of the economics department. Upon completion of the course(s), students should submit their course material and a copy of their transcript along with the appropriate Application for Transfer Credit form to the department coordinator for departmental approval. After receiving departmental approval, students must submit their forms to the director of off-campus study for final approval. Courses having a BU (Business) or MGMT (Management) prefix will normally not be considered the equivalent of an economics course. No credit will be given for business courses taken over the summer. A maximum of one credit will be given for a business course taken through a junior year abroad business program. However, this credit will count as a general credit only, not as a major equivalent credit. Business courses taken in a non-business program will be considered on a case-by-case basis. Those that match the department's offerings, and have strong liberal arts content, have the best chance of receiving credit.

**II. *Post-Graduate Preparation***

Graduate programs in economics or finance [other than a Masters of Business Administration (MBA)] generally require a high degree of mathematical sophistication. Students thinking of continuing in such a program are encouraged to: (i) take MATH 0310 in place of ECON 0210; (ii) select economics electives with significant mathematically and statistically rigorous content [recommended courses fulfilling the elective requirements of the economics major include: ECON 0229, ECON 0280 (formerly ECON 0380), ECON 0390, and ECON 0411]; (iii) take a number of additional courses in mathematics and computer science [recommended courses include: CSCI 0101, MATH 0315, MATH 0318, MATH 0323, MATH 0410, and MATH 0423]. Good training for graduate school might include being a statistics tutor or having worked as a research assistant at Middlebury College or at a Federal Reserve Bank, or as an intern at a research institute or NGO. Students thinking about this option should discuss their plans with their advisor and other faculty members.

Masters of Business Administration (MBA) programs look for students who have taken a wide range of courses across the curriculum rather than for students who have narrowly focused on economics and math. Thus, it is not necessary for someone planning to go on in business or to an MBA program to have majored in economics. MBA programs normally expect that students have worked for a couple of years in business, government, or similar organization before they begin the MBA program. The appropriate coursework for these MBA programs is a wide range of liberal arts courses.

**III. *Minor in Economics***

(As of Fall 2012, the Economics Department no longer offers a minor)

***The economics minor consists of five courses***: ECON 0150, ECON 0155, ECON 0250 or ECON 0255 (MATH 0121 is a prerequisite for ECON 0255), and two electives, one of which must be at the 0400-level or the 0701/0702 senior workshop sequence. (Minors interested in the 0701/0702 senior research workshop sequence will need to satisfy additional requirements listed in the section on Honors and will be admitted on a space available basis only.) Economics electives taken during the winter term will count towards the major or minor only if so designated in the winter term catalog. All economics minors must take at least three economics courses in the minor at Middlebury.

## ECON0150 Introductory Macroeconomics (Fall 2016, Spring 2017)

An introduction to macroeconomics: a consideration of macroeconomic problems such as unemployment and inflation. Theories and policy proposals of Keynesian and classical economists are contrasted. Topics considered include: banking, financial institutions, monetary policy, taxation, government spending, fiscal policy, tradeoffs between inflation and unemployment in both the short run and the long run, and wage-price spirals. 3 hrs. lect. **SOC** (Fall 2016: L. Arroyo Abad, P. Matthews, D. Munro; Spring 2017: L. Arroyo Abad, C. Craven, D. Munro)

## ECON0155 Introductory Microeconomics (Fall 2016, Spring 2017)

An introduction to the analysis of such microeconomic problems as price formation (the forces behind demand and supply), market structures from competitive to oligopolistic, distribution of income, and public policy options bearing on these problems. 3 hrs. lect. **SOC** (Fall 2016: N. Muller, C. Craven, D. Horlacher; Spring 2017: P. Sommers, N. Muller, S. Pecsok)

## ECON0200 Health Economics and Policy (Fall 2016)

In this course we will focus on the health care system of the United States. We will apply standard microeconomic tools to the problems of health and health care markets. The course provides the fundamental tools with which to understand how the health care market is different from the markets for other goods. For example, students will learn about the dominant presence of uncertainty at all levels of health care, the government's unusually large presence in the market, the pronounced difference in knowledge between doctors and patients, and the prevalence of situations where the actions of some impose costs or benefits on others (e.g., vaccinations, drug research). (ECON 0155) 3 hrs. lect. **NOR, SOC** (J. Holmes)

## ECON0207 Economics and Gender (Spring 2017)

Economics and Gender is an introduction to using the tools of economics to understand gender-related issues. In the first part of the course we will review economic models of the household, fertility, and labor supply and discuss how they help us interpret long-term trends in marriage and divorce, fertility, and womenâs labor-force participation. In the second part of the course we will study economic models of wage determination and focus on explanations of, and policy remedies for, earnings differentials by gender. The final part of the course will focus on new research in economics on gender-related topics. (ECON 0155) 3hrs. lect. **CW, SOC** (T. Byker)

## ECON0210 Economic Statistics (Fall 2016, Spring 2017)

Basic methods and concepts of statistical inference with an emphasis on economic applications. Topics include probability distributions, random variables, simple linear regression, estimation, hypothesis testing, and contingency table analysis. A weekly one-hour lab is part of this course in addition to three hours of class meetings per week. Credit is not given for ECON 0210 if the student has taken MATH 0116, or MATH 0310, or PSYC 0201 previously or concurrently. (ECON 0150 or ECON 0155) 3 hrs. lect., 1 hr. lab **DED** (Fall 2016: P. Sommers, A. Gregg; Spring 2017:

E. Gong, A. Gregg)

## ECON0211 Introduction to Regression Analysis (Fall 2016, Spring 2017)

In this course regression analysis is introduced. The major focus is on quantifying relationships between economic variables. Multiple regression identifies the effect of several exogenous variables on an endogenous variable. After exploring the classical regression model, fundamental assumptions underlying this model will be relaxed, and further new techniques will be introduced. Methods for testing hypotheses about the regression coefficients are developed throughout the course. Both theoretical principles and practical applications will be emphasized. The course goal is for each student to employ regression analysis as a research tool and to justify and defend the techniques used. (MATH 0121; and ECON 0150 or ECON 0155; and ECON 0210; or by approval) 3 hrs. lect., 1 hr. lab **DED** (Fall 2016: T. Byker, J. Maluccio; Spring 2017: P. Wunnava, T. Byker)

## ECON0212 Empirical Research Methods in Economics (Fall 2016, Spring 2017)

In this course we will provide students with the tools to conceptualize, design, and carry out a research project in economics. Topics will include survey design, sampling and power, experimental design (in and out of the lab), natural experiments, and other approaches to identifying causal relationships. Drawing from several sub-disciplines in economics, students will examine, replicate, and critique various studies. Emphasis will be placed on the formulation of valid, feasible research questions, and on the description and interpretation of results. (ECON 0211) 3 hrs. lect. (Fall 2016: E. Gong; Spring 2017: C. Myers)

## ECON0222 Economics of Happiness (Fall 2016)

We will explore the economics of happiness in both the micro and macro realm. We start with the neoclassical model of rational individuals who know with great precision what makes them happy. Next we explore behaviorist challenges to that model, including issues of regret, altruism, fairness, and gender. On the macro side, we investigate the puzzle of why, though most of us like more income, a growing GDP does not seem to make societies happier; we examine the impact of the macroeconomic environment on individual happiness. Finally we touch on current policy issues such as quantitative happiness indicators that have been adopted around the world, âpaternalisticâ policy measures to increase happiness, and the no-growth movement. (ECON 0150 or ECON 0155) 3 hrs. lect. **SOC** (C. Craven)

## ECON0224 Economic History of Latin America (Fall 2016)

Latin America is a region rich in resources, yet it has long struggled to achieve sustainable development. When, why, and how did Latin America fall behind other regions? In this course we will study the evolution of the Latin American economies from colonial times to the present. We will consider the role of natural resources, institutions, and international markets in shaping the regionâs trajectory. Using applied economic analysis, we will explore the challenges, opportunities, and constraints the region faced across history. (ECON 0150) 3 hrs. lect. **AAL, HIS, SOC** (L. Arroyo Abad)

## ECON0225 Theories of Economic Development in Latin America (Fall 2016)

This course is designed to provide a survey of the most important issues facing Latin American policymakers today. The course will place contemporary problems in their historical perspective and will use applied economic analysis to examine the opportunities and constraints facing the economies of Latin America. (ECON 0150) 3 hrs. lect. **AAL, SOC** (J. Maluccio)

## ECON0228 Economics of Agricultural Transition (Fall 2016)

In 1860 farmers made up over half the population of this country and fed about 30 million people. Today they number 2% of the population and produce more than enough to feed 300 million people. In this course we will look at the history, causes, and results of this incredible transformation. While studying the economic forces behind the changing farming structure, we will examine farm production, resources, technology, and agricultural policy. Field trips to local farms and screenings of farm-related videos and movies will incorporate the viewpoint of those engaged in agriculture. (ECON 0150 or ECON 0155) 2hrs. lect., 2 hrs. lab **NOR, SOC** (S. Pecsok)

## ECON0229 Economic History and History of Economic Thought (Fall 2016)

Economic History and History of Economic Thought
This course will provide an introduction to economic history and the history of economic thought. We will investigate and understand the causes and consequences of important historical events and trends, such as industrialization and globalization, from an economic perspective. We devote considerable attention to the dissemination throughout Europe of new industrial and agricultural practices originating in Britain. Along the way, we evaluate how prominent economists perceived and analyzed the events of their time. (ECON 0150, ECON 0155) 3 hrs. lect. **EUR, HIS, SOC** (A. Gregg)

## ECON0232 The Chinese Economy (Fall 2016)

In this course we will explore the economic development of China up until the present day, giving particular attention to the socialist era and the post-1978 reforms. Specific topics to be covered will include growth and structural change, the urban-rural divide, the stateâs ongoing role in the economy, demography, and the countryâs integration into the global economy. (ECON 0150 orECON 0155; or by approval) 3 hrs. lect. **AAL, SOC** (W. Pyle)

## ECON0240 International Economics: A Policy Approach (Fall 2016, Spring 2017)

This course provides an overview of international trade and finance. We will discuss why countries trade, the concepts of absolute and comparative advantage, and gains from trade. We will explore commercial policies, arguments for and against tariffs, non-tariff barriers, dumping and subsidies, the role of the WTO, as well as the pros and cons of regional free trade

associations. In the second part of the course we will primarily concentrate on international macroeconomics, focusing on foreign exchange rates, balance of payments, origins of and solutions to financial crises and the history and architecture of the international monetary system. Beginning Fall 2014, ECON 0240 no longer counts towards the ECON major or minor requirements. (Formerly ECON 0340) (ECON 0150 and ECON 0155) 3 hrs. lect. (O. Porteous)

## ECON0250 Macroeconomic Theory (Fall 2016, Spring 2017)

Macroeconomic theory analyzes whether the market effectively coordinates individuals' decisions so that they lead to acceptable results. It considers the effectiveness of monetary, fiscal, and other policies in achieving desirable levels of unemployment, inflation, and growth. The theories held by various schools of economic thought such as Keynesians, monetarists, and new classicals are considered along with their proposed policies. (ECON 0150) 3 hrs. lect. (L. Davis, J. de Souza)

## ECON0255 Microeconomic Theory (Fall 2016, Spring 2017)

Microeconomic theory concentrates on the study of the determination of relative prices and their importance in shaping the allocation of resources and the distribution of income in an economy. We will study the optimizing behavior of households in a variety of settings: buying goods and services, saving, and labor supply decisions. We will also examine the behavior of firms in different market structures. Together, the theories of household and firm behavior help illumine contemporary economic issues (discrimination in labor markets, mergers in the corporate world, positive and negative externalities, for example). (MATH 0121 and ECON 0155) 3 hrs. lect. (Fall 2016: J. Berazneva, J. Carpenter, E. Huet-Vaughn; Spring 2017: W. Pyle, E. Huet-Vaughn)

## ECON0265 Environmental Economics (Fall 2016)

This course is dedicated to the proposition that economic reasoning is critical for analyzing the persistence of environmental damage and for designing cost-effective environmental policies. The objectives of the course are that each student (a) understands the economic approach to the environment; (b) can use microeconomics to illustrate the theory of environmental policy; and (c) comprehends and can critically evaluate: alternative environmental standards, benefits and costs of environmental protection, and incentive-based environmental policies. (ECON 0155) 3 hrs. lect. (J. Berazneva)

## ECON0280 Game Theory I (Fall 2016, Spring 2017)

Game theory is general in scope and has been used to provide theoretical foundations for phenomena in most of the social and behavioral sciences. Economic examples include market organization, bargaining, and the provision of public goods. Examples from other behavioral sciences include social dilemmas and population dynamics. In this course students learn the basics of what constitutes a game and how games are solved. This course is meant to be a broad introduction; students with advanced training in economics (or math) are encouraged to enroll directly in ECON 0390. (Formerly ECON 0380) (ECON 0155 and MATH 0121 required; ECON

0255 recommended) 3 hrs. sem. (Fall 2016: J. Carpenter; Spring 2017: A. Robbett)

## ECON0328 Economics of Global Health (Fall 2016)

In this course we will examine global health from an economics perspective while attempting to understand it from both the demand and supply sides. We will review the current economic research relevant to these topics. Microeconomic theory will be used to explain why individuals might make what are seemingly poor health decisions. In addition, we will be using data from the Demographic Health Surveys to examine the health and well-being of individuals living in poor countries. Topics will include the effects of HIV/AIDS, malaria, and poor sanitation. (MATH 0121; and ECON 0150 or ECON 0155; and ECON 0210; or by approval) 3 hrs. lect. (E. Gong)

## ECON0329 Theory and Measurement in Economic History (Spring 2017)

Economic historians study past events, employing diverse methodologies to understand technology adoption, market integration, and the effect of institutions on performance. In this course we will focus on strategies economists use to learn about the past itself and to use past events to understand how all economies function. We will ponder especially conflicts and complementarities between theoretical and empirical reasoning. Each student will complete a research proposal that justifies applying a set of tools to address an economic history question. (ECON 0210 and ECON 0240 or ECON 0255; or by approval) 3 hrs. sem. **CMP, CW, HIS, SOC** (A. Gregg)

## ECON0344 International Economics (Fall 2016, Spring 2017)

International trade and financial flows are increasingly important in todayâs interconnected world. In this advanced course we will use tools from introductory and intermediate courses to help us analyze the causes and consequences of these flows. We will investigate why countries trade, what they trade, who gains (or loses) from trade, and the motives and effects of trade policies. We will then consider the monetary side of the international economy, including the balance of payments, the determination of exchange rates, and financial crises. This course is not open to students who have taken ECON 0240. (ECON 0150 and ECON 0255) 3 hrs. lect. (O. Porteous)

## ECON0350 Advanced Macroeconomic Theory and Policy (Fall 2016)

In this course we will build on ECON 0250 to further develop the analytical tools for exploring key macroeconomic outcomes and policy. Topics covered may include, but are not limited to, economic growth; distribution; institutions; monetary, fiscal and macroprudential policy; and behavioral macroeconomics. We will explore modern developments in macroeconomic theory, and compare and critically evaluate the ability of different theoretical perspectives to provide insight into current events and the efficacy of macroeconomic policy (ECON 0250, MATH 0121, or equivalent) 3 hrs. lect. (L. Davis)

## ECON0365 The Economics of Climate Change (Spring 2017)

In this course we will apply the tools of economic analysis to the problem of global climate change. The goal is to expose students to how economists approach this important policy problem. The course will begin with a review of reasons for policy interventions in markets and policy instrument choice. We will then focus on the measurement of damages from emissions of greenhouse gases. Subsequent topics will include: discounting, technology and abatement costs, benefit-cost analysis, uncertainty and catastrophic risk, and policies in practice. Text: Climate Casino (Nordhaus, 2014). Additional readings: articles in environmental economics, natural science, and the popular press. (ECON 0255; ECON 0265 encouraged). 3 hrs. lect. (N. Muller)

## ECON0370 Introduction to Public Economics (Spring 2017)

This course serves as an introduction to the study of the government's role in modern market economies. In particular, we will explore the design and impact of government expenditure programs and taxation systems on the welfare and behavior of its citizens. We will consider the following questions: When is government intervention in the economy appropriate? What is the most effective form of intervention? What effects do government policies have on incentives for firms, individuals, and others in the private sector? In this course we will cover a wide range of issues in public economics with a primary focus on current policy debates in the United States, employing standard empirical and theoretical tools used in public economic research. Selected topics include: income taxation, social security, regulation of pollution and other externalities, public goods such as national defense and education spending, welfare programs, inequality, health insurance and other social insurance programs, redistribution, the indirect consequences of taxation, tax evasion, as well as applications of behavioral and experimental economics to these areas. (ECON 0255) 3 hrs. lect. **SOC** (E. Huet-Vaughn)

## ECON0399 Experimental Economics (Fall 2016)

How do economic incentives influence peopleâs behavior? In this course students will learn how to test economic models of behavior (e.g., consumption, investment, production) using the experimental lab. Topics include: How and why do markets work? Do people act collectively to provide public goods? What are the determinants of bargaining outcomes? (ECON 0255 required; ECON 0380 or ECON 0390 recommended) 3 hrs. lect. (A. Robbett)

## ECON0401 Poverty, Inequality and Distributive Justice (Fall 2016)

This seminar will explore recent theoretical and empirical research on socioeconomic inequality. The definitions, causes and consequences of inequality at both the individual (micro) and national and international (macro) levels will be considered. (ECON 0211 and ECON 0255) 3 hrs. sem. (P. Matthews)

## ECON0410 The Economics of âSinâ: Sex, Crime, and Drugs (Spring 2017)

In this course we will apply traditional microeconomic principles to non-traditional topics such as adultery, prostitution, teen pregnancy, crime and punishment, drugs and drug legalization, and gambling. We will ask the following questions throughout the course: To what extent is "sinful" behavior rational and utility-maximizing? What role does the government play in regulating "sinful" behavior and what are the consequences of these government interventions? The primary focus will be on the United States but brief comparisons will be made to "sinful" behavior and policy interventions in other countries. (ECON 0211 and ECON 0255) 3 hrs. sem. (J. Holmes)

## ECON0411 Applied Econometrics (Fall 2016)

This course is designed to further students' understanding of parameter estimation, inference, and hypothesis testing for single and multiple equation systems. Emphasis will be placed on specification, estimation, and testing of micro/macro econometric models and using such models for policy analysis and forecasting. Large cross-sectional as well as panel data sets will be used for estimation purposes. (ECON 0211 and ECON 0250 and ECON 0255; or by approval) 3 hrs. sem. (P. Wunnava)

## ECON0415 The Macroeconomics of Economic Development (Fall 2016, Spring 2017)

In this course we will examine macroeconomic aspects of economic development. We will explore theoretical models combining insights from growth theory, classical development theory, and structuralist macroeconomics. Topics include dualism, surplus labor, increasing returns, poverty traps, and the role of external and demand constraints in the growth process. We will also review applied work and case studies, in order to understand how these theories illuminate concrete issues that have faced developing countries (ECON 0240 or ECON 0250) 3 hrs. sem. (J. de Souza)

## ECON0428 Population Growth and the Global Future (Fall 2016)

This course will show how economic analysis can be used to assess the impact of rapid population growth on economic development, the environment, and economic inequality. It will analyze the rapid "graying" of the industrialized countries and their struggle to cope with international migration. It will assess the causes of urban decay in the North and the explosive growth of cities in the South. The course will consider household-level decision-making processes; the effects of changing family structures; and the need to improve the status of women. (ECON 0250 or ECON 0255) 3 hrs. sem. (D. Horlacher)

## ECON0429 Trade and Foreign Aid in Latin America (Spring 2017)

This course is designed to provide an in-depth examination of a number of critical issues that currently confront policymakers in Latin America. The topics of development, regionalization and free trade, and the efficacy of foreign aid will be analyzed in the context of Latin American economic development. (ECON 0240, ECON 0250, or ECON 0255) 3 hrs. sem. **AAL** (J. Maluccio)

## ECON0430 The Post-Communist Economic Transition (Spring 2017)

This seminar will use the ânatural experimentâ of the post-communist transition to better understand the origin and consequences of various economic and political institutions. Drawing on research related to China and Russia as well as other formerly communist economies in Europe and Asia, we will explore such themes as property rights reform, the finance-growth nexus, contract enforcement institutions, and the economic consequences of corruption and different political regimes. (ECON 0210 or MATH 0310 or MATH 0311 and ECON 0240 or ECON 0250, or by approval) **CMP** (W. Pyle)

## ECON0445 International Finance (Fall 2016, Spring 2017)

An analysis of the world's financial system and the consequences for open economies of macroeconomic interdependence. Particular topics include: exchange rate determination, balance of payments adjustments, and monetary and fiscal policies in open economies. Special attention is paid to the issues and problems of the European Economic Community and European integration and debt in developing countries. (ECON 0240 or ECON 0250) 3 hrs. sem. (D. Munro)

## ECON0448 Inequality and Exclusion (Spring 2017)

Are we all equal stakeholders in this economy? What are the patterns of exclusion in different societies? How does material deprivation interact with other types of exclusion? In this course we will study the determinants and manifestations of inequality in the U.S. and in the world. Using a historical perspective, we will analyze how inequalities evolve by looking at topics such as education, gender, the environment, political systems, and race/ethnicity. (ECON 0210 and ECON 0240 or ECON 0250) 3 hr. sem. **SOC** (L. Arroyo Abad)

## ECON0465 Special Topics in Environmental Economics (Fall 2016)

The objective of this seminar is that each student achieves fluency in a set of advanced concepts in environmental economics. The seminar is divided into two main sections. First, we introduce the core theory and policy implications of environmental economics. These include the theory of externalities and public goods; the Coase theorem; and policy instrument choice. Empirical methods used to measure the costs and benefits of environmental policies are also introduced. Second, we study some selected topics: the economics of local air pollution and greenhouse gases; the design of market-based environmental policies; the economics of non-renewable resources, including fossil fuels and old-growth forests; and the management of renewable resources, including fisheries and second-growth forest resources. (ECON 0255) 3 hrs. sem. (N. Muller)

## ECON0470 Public Economics (Fall 2016)

In this course we will examine the role of government in modern market economies. In particular we will explore the design and impact of government expenditure programs and taxation systems on the welfare and behavior of its citizens. We will consider the following

questions: When is government intervention in the economy appropriate? What is the most effective form of intervention? What effects do government policies have on incentives for firms, individuals, and others in the private sector? The course will cover a wide range of issues in public economics with a primary focus on current policy debates in the United States, employing standard empirical and theoretical tools used in public economic research. Attention will be given to classic works in public economics and recent work at the intersection of behavioral/experimental economics and public economics. (ECON 0255) 3 hrs. sem. (E. Huet-Vaughn)

## ECON0475 Monetary Theory and Financial Markets (Spring 2017)

This seminar is concerned with financial markets and their relationship to the broader macroeconomy, with a particular focus on recent developments, including, but not limited to, financialization. (ECON 0250) 3 hrs. sem. (L. Davis) (L. Davis)

## ECON0480 Labor Economics (Spring 2017)

This seminar will explore the economics of labor markets from both theoretical and empirical perspectives. Topics covered include: labor force participation, wage determination, welfare and minimum wage policies, education and on-the-job training, compensating differentials, dual labor markets, inequality and discrimination, unions, immigration, employment relations, and household bargaining. (ECON 0255 required; ECON 0211 strongly recommended) (P. Matthews)

## ECON0485 The Economics of Sports (Spring 2017)

This is a survey course of topics illustrating how microeconomic principles apply to the sports industry. Topics covered will include the industrial organization of the sports industry (notably, issues of competitive balance and the implications of monopoly power), the public finance of sports (notably, the impact teams have on host municipalities), and labor issues related to sports (including player worth and discrimination). The prerequisites for this course are meant to ensure that students can both understand fundamental economic concepts and present the results of econometric research as they apply to the sports industry. (ECON 0210 and ECON 0211 and ECON 0255) 3 hrs. sem. (P. Sommers)

## ECON0500 Individual Special Project (Fall 2016, Spring 2017)

If you choose to pursue an area that we do not offer or go in depth in an area already covered, we recommend the Individual Special Project option. These ECON 0500 proposals MUST be passed by the entire department and are to be submitted to the chair by the first Friday of fall and spring semester, respectively. The proposals should contain a specific description of the course contents, its goals, and the mechanisms by which goals are to be realized. It should also include a bibliography. According to the College Handbook, ECON 0500 projects are a privilege open to those students with advanced preparation and superior records in their fields. A student needs to have a 3.5 or higher G.P.A. in Economics courses taken at Middlebury in order to pursue an Individual Special Project. ECON 0500 does not count towards the major or minor requirements.

# ECON0701 Senior Research Workshop I (Fall 2016)

In this first semester, students will design and begin their projects. Emphasis will be on designing a novel research question (while making the case for its importance) and an appropriate strategy for answering it. This requires immersion in the academic literature on the topic. General research principles and tools will be taught in class, as a group, while those specific to individual projects will be covered in one-on-one meetings. By the end of the term, students will outline their plan for completing the project, including demonstrating that it is a feasible research question for which the necessary information (e.g., data or source materials) is available or can be generated by the student (e.g., lab or other experiment). (Approval required) (A. Robbett, P. Wunnava)

# ECON0702 Senior Research Workshop II (Spring 2017)

In this second semester of the senior research workshop sequence, the focus is on the execution of the research plan developed in ECON 0701. Most instruction is now one-on-one but the workshop will still meet as a group to discuss and practice the presentation of results in various formats (seminars, poster sessions, et cetera) to the rest of the workshop and others in the college and broader communities. Feedback and critiques from such presentations will be incorporated into the project, which will culminate in a research paper in the style of an economics journal article. (ECON 0701; Approval required) (J. Carpenter, E. Gong)

## Education Studies

**Requirements for the Minor in Education Studies [EDGW]**:
Education Studies is an interdisciplinary program. To earn a minor in Education Studies students must complete five courses structured in the following manner:

1. A foundations course in education: EDST 0115 Education in the USA (SOAN 0215, if offered).
2. Any three courses in Education Studies (see course listing). **Students who are interested in attaining a Vermont teaching license must complete either an elementary or secondary minor (see below).**
3. One elective determined in consultation with the student's faculty advisor in Education Studies. This elective course may include any course in Education Studies or a Winter Term elective, a 0500-level independent study, or in special cases, pre-approved study abroad experiences or internships with substantive academic work. PSYC 0327 (Educational Psychology), PSYC 0225 (Child Development) and PSYC 0216 (Adolescence) may fulfill the elective requirement for the minor. Students must secure prior approval from Education Studies faculty for any other course to count as an elective.

Students may choose to focus their five courses in either elementary or secondary education or they may choose to take a broad approach and select courses from across the curriculum. Each student declaring a minor in Education Studies will be assigned to a faculty member in Education Studies who will serve as his or her advisor.
***Vermont Licensure Option:*** Students who want to attain a teaching license must meet the licensure requirements established by the state of Vermont. There are two licensure options: Elementary [EDEL] (grades K-6) and Secondary [EDSL] (grades 7-12).
***Requirements for the minor in elementary education with licensure [EDEL] (grades K-6)***: In order to meet the requirements set by the state of Vermont, there are six courses

required for the minor in elementary education as well as the professional semester:
a. EDST 0115, 0305, 0315, 0317 (Winter Term)
b. PSYC 0225 & PSYC 0327. [Note: PSYC 0105 is a prerequisite for all Psychology courses.]
c. Successful completion of the professional semester (student teaching) listed in the catalog as EDST 0410 & 0405-0407 with satisfactory review of the professional semester by the Professional Semester Review Committee and with satisfactory review of the student's teacher licensure portfolio. [Note: This is a 4 credit experience as it involves full-time teaching for one semester as well as a weekly, 3 hour seminar during the same semester.]
d. Students seeking a teaching license in elementary education may major in any subject offered at Middlebury College. Prior to the granting of the license, students must also complete both the SCI and DED distribution requirements.
***Requirements for the minor in secondary education with licensure [EDSL] (grades 7-12):*** Middlebury College is authorized to recommend licensure in the following subject areas for secondary education: Art, (prek-12); Modern and Classical Languages: Spanish (7-12), German (7-12), Russian (7-12) and French (7-12); Mathematics (7-12); Science (7-12); English (7-12); Social Studies (7-12); and Computer Science (7-12). Students should consult with the Education Studies faculty to determine particular recommended major courses that will align with state endorsement requirements. Generally, for the secondary teaching license, students should major in the content area they wish to teach.

In order to meet the requirements set by the state of Vermont, there are six courses required for the minor in secondary education as well as the professional semester:

a. EDST 0115, 0318, 0320, 0327 (Winter Term).
b. PSYC 0216 & PSYC 0327. [Note: PSYC 0105 is a prerequisite for all Psychology courses.]
c. Successful completion of the professional semester (student teaching) listed in the catalog as EDST 0410 & 0415-0417 with satisfactory review of the professional semester by the Professional Semester Review Committee and with satisfactory review of the student's teacher licensure portfolio. [Note: This is a 4 credit experience as it involves full-time teaching for one semester as well as a weekly, 3 hour seminar during the same semester.]
***Professional Semester:*** Students who elect to pursue licensure either in Elementary or Secondary education must apply to the Education Studies program for acceptance into the Professional Semester. Upon acceptance, students complete EDST 0410 (the student teaching seminar), and either EDST 0405-0407 or EDST 0415-0417, the student teaching practicum in a local school. These four course credits constitute the Professional Semester. Students may elect to complete the Professional Semester either as seniors or post-graduation in a ninth semester. Satisfactory review of the Professional Semester by the Professional Semester Review Committee and of the required licensure portfolio result in recommendation for initial licensure for teaching in Vermont, reciprocated by 48 states.
Thus, all students seeking licensure complete a full semester of student teaching under the supervision of a master teacher. Education Studies faculty in consultation with the student and prospective master teacher make the final decision regarding where and with whom a student is placed for the Professional Semester.

# EDST0102 English Language in Global Context (Spring 2017)

In this course, we will discuss and write about the dominance of English in the global landscape. The course reader, *The Handbook of World Englishes* (2006), offers an interdisciplinary approach to the topic. We will begin the course with a geographic and historical overview of

World Englishes and then will examine the impact of English language dominance on individuals and societies, emphasizing themes such as migration, globalization, education, and identity. Throughout the course, we will explore the relevance of these issues to educators, linguists, and policy-makers around the world. **CMP, SOC** (S. Shapiro)

## EDST0115 Education in the USA (Fall 2016, Spring 2017)

What are schools for? What makes education in a democracy unique? What counts as evidence of that uniqueness? What roles do schools play in educating citizens in a democracy for a democracy? In this course, we will engage these questions while investigating education as a social, cultural, political, and economic process. We will develop new understandings of current policy disputes regarding a broad range or educational issues by examining the familiar through different ideological and disciplinary lenses. 3 hrs. lect./1 hr. disc. **NOR, SOC** (T. Affolter, J. Miller-Lane)

## EDST0185 Writing for Children and Young Adults (Fall 2016)

This course is an introduction to writing for children and young adults through analysis of model short fiction and novels, and regular discussion of student writing. We will focus on craft and form with particular attention to the demands of writing for a young audience. Emphasis will be on composition and revision. 3 hrs. lect. **ART** (C. Cooper)

## EDST0210 Sophomore Seminar in the Liberal Arts (Fall 2016, Spring 2017)

This course is designed for sophomores who are interested in exploring the meaning and the purpose of a liberal arts education. To frame this investigation, we will use the question "What is the good life and how shall I live it?" Through an interdisciplinary and multicultural array of readings and films we will engage our course question through intellectual discussion, written reflection, and personal practice. There will be significant opportunities for public speaking and oral presentation, as well as regular writing assignments, including a formal poster presentation. Readings will include reflections on a liberal arts education in the U.S. (Emerson, Brann, Nussbaum, Oakeshott, Ladsen-Billings, bell hooks); on "the good life" (excerpts from Aristotle, sacred texts of different traditions); on social science analyses of contemporary life; texts on the neuroscience of happiness; as well as literary and cinematic representations of lives well-lived. **CMP** (Fall 2016: B. Millier, R. Schine; Spring 2017: J. Miller-Lane, D. Evans)

## EDST0300 Models of Inclusive Education (Spring 2017)

In this course we will focus on strategies and techniques for including students with diverse learning styles in general education environments. Legal, theoretical, philosophical, and programmatic changes leading toward inclusive models of education will be approached through a historical overview of special education for students with disabilities. Additionally, the course works to expand notions of inclusion such that students' multiple identities are incorporated into all learning. Emphasis is given to the active learning models and differentiated curriculum and instruction to accommodate a range of learners with diverse disabilities, abilities, and identities. (EDST 0115 or SOAN 0215 or AMST 0105). **NOR, SOC** (T. Affolter)

## EDST0305 Reading & Writing the World: Teaching Literacy and Social Studies in the Elementary School (Fall 2016)

In this course, we examine what it means to be literate in the 21st century and ways in which all students can be empowered by the texts and teaching they encounter in schools. Students will develop their ability to enact literacy instruction based on current research about how children learn to read and write. We will take a critical look at textsâfiction, nonfiction, and historicalâto consider the ways that texts read and write the world, develop abilities to select texts that empower all learners, and analyze retellings of historical events/persons to take into account multiple perspectives. Many class sessions occur onsite at a local elementary school to provide consistent practice and supportive feedback on authentic components of teaching (transportation provided). In addition to class sessions, students will complete field experiences in a K-6 classroom in the Middlebury area to see the workings of an entire class. 3 hrs. lect./1 hr. disc. (T. Weston)

## EDST0315 Answers Are Not the Solution: Teaching Mathematics and Science in the Elementary School (Spring 2017)

What does it mean to know something? In this course we will approach mathematics and science learning as the construction of ideas rather than the memorization of facts, rules and procedures. We will investigate the mathematical and scientific reasoning of young people and how to construct learning experiences to support studentsâ conceptual development and ability to communicate in mathematical and scientific ways. We will also explore how a social justice stance enables math and science to be a source of empowerment for students. Many class sessions occur on site at a local elementary school (transportation provided). This partnership allows students to ground their thinking about the role of schools in a democratic society within the workings of a local school and provides consistent practice and supportive feedback on authentic components of teaching. In addition to class sessions, students will complete field experiences in a K-6 classroom in the Middlebury area. 3 hrs. lect./1 hr. disc. (T. Weston)

## EDST0318 Teaching and Learning in Secondary Schools (Spring 2017)

This course emphasizes the knowledge and skills necessary for effective teaching at the secondary level. Starting from a foundation in the liberal arts, students will develop lesson and unit plans based on instructional models that reflect "best practice" and that are grounded in key concepts from their respective disciplines. Concerns regarding "classroom management" will be addressed as opportunities to design challenging and engaging curriculum. Students will be required to integrate technology into meaningful, academic inquiry. 3 hrs. lect. (S. Hoffman)

## EDST0320 Literacy Across the Secondary Curriculum (Fall 2016)

This course will acquaint prospective teachers with pedagogies that use literacy to help students

learn subject matter, strategies, and skills in various secondary content areas. We will consider both the theory and practice of literacy through analysis of the nature of reading, writing, discussion, interpretation, and critical processes and practices. We will also consider the politics of literacy and the importance of socio-economic, linguistic, and cultural factors in making appropriate choices about methods and materials for diverse populations. Students will spend at least two hours per week observing and tutoring in secondary schools in the Middlebury area. 3 hrs. lect. (C. Cooper)

## EDST0405 Student Teaching in the Elementary School (Fall 2016)

A semester-long practicum in a local elementary school under the direct supervision of an experienced cooperating teacher. (Corequisite: EDST 0410) (Approval required) **non-standard grade** (T. Weston)

## EDST0406 Student Teaching in Elementary School (Fall 2016)

See EDST 0405. (Approval required) **non-standard grade** (T. Weston)

## EDST0407 Student Teaching in the Elementary School (Fall 2016)

See EDST 0405. (Approval required) **non-standard grade** (T. Weston)

## EDST0410 Student Teaching Seminar (Fall 2016)

Concurrent with student teaching, this course is designed to provide guidance in curriculum development and its implementation in the classroom, and to explore issues related to the teaching process and the profession. Students will construct a Teaching Licensure Portfolio as well as exchange ideas about their student teaching experiences. Topics including technology, classroom management, special education, and assessment will be featured. The Vermont Framework of Standards and Learning Opportunities, the five Standards for Vermont Educators, the Principles for Vermont Educators, and ROPA-R will guide the development of the Teacher Licensure Portfolio. (Corequisite: EDST 0405, EDST 0406, EDST 0407 or EDST 0415, EDST 0416 EDST 0417) (Approval required) 3 hrs. lect. (T. Weston)

## EDST0500 Independent Project (Fall 2016, Spring 2017)

(Approval Required)

### English & American Literatures

**All students declaring an ENAM major, joint major, or minor beginning Fall 2015 will adopt the following requirements. Students who declared their major prior to Fall 2015 may choose whether to adopt these requirements or to complete their study following the old requirements (see below).**

**Requirements for the Major**: Students majoring in English and American Literatures will take a total of 12 classes in the ENAM department (transfer credits from other institutions must be approved). Of these, three are required classes: 1) ENAM 0103 or CMLT 0101; 2) ENAM 0205; 3) ENAM 0700 or CRWR 0701* (Senior Thesis). Students will then choose nine electives from the available course offerings, making sure that these courses satisfy the following distribution requirements**.** A single course may fulfill more than one distribution requirement.

- at least **three** will be devoted to literature (English, British, and/or American) before 1800, and only one of the three used to meet this requirement may be a Shakespeare course. These courses will bear the (*Pre-1800)* designation.
- At least **one** will be a junior seminar. All 04XX courses in ENAM are junior seminars.
- at least **one** will be devoted to American Literature before 1900. These courses will bear the (*Pre-1900 AL)* designation.
- at least **one** will expose students to cultural diversity in Literatures in English. Such courses are centrally concerned with material and approaches attending to differences in race, ethnicity, class, gender, and/or sexuality. These courses will bear the departmental (*Diversity)* designation.

These requirements are intended to offer students broad and historically grounded training in the discipline as well as a range of different pathways through the major. Students should confer closely with their advisers concerning their choices of electives.
With the exception of CRWR 0701, which fulfills the senior work requirement for the ENAM major, creative writing classes do not fulfill ENAM major requirements. LITS 0705, Senior Colloquium in Literary Studies, may be used to fulfill the Junior Seminar requirement in ENAM. Students should plan to complete a Junior Seminar prior to beginning a critical senior thesis project.
*Students wishing to complete a CRWR 0701 senior thesis will first need to complete one introductory (0100-level) CRWR workshop and two advanced (0300-level) workshops prior to beginning the thesis.
**Requirements for the Joint Major**: A joint major in English and American Literatures requires a minimum of eight ENAM courses, including three required courses: 1) ENAM 0103 or CMLT 0101; 2) ENAM 0205; 3) *ENAM 0700 or CRWR 0701, a joint thesis project that integrates both parts of the major. In addition, students will choose at least five electives from the available offerings, making sure that these courses satisfy the following distribution requirements. A single course may fulfill more than one distribution requirement:

- At least **one** course will be devoted to literature (English, British, and/or American) before 1800. These courses will bear the *(Pre-1800)* designation.
- At least **one** will be a junior seminar. All ENAM 04XX classes are junior seminars.
- At least **one** will be devoted to American Literature before 1900. These courses will bear the (*Pre-1900 AL)* designation.
- At least **one** will expose students to cultural diversity in Literatures in English. Such courses are centrally concerned with material and approaches attending to differences in race, ethnicity, class, gender, and/or sexuality. These courses will bear the departmental *(Diversity)* designation.

*Students wishing to undertake a joint major in ENAM and Theatre should be advised that senior work will normally consist of two full-credit classes, ENAM 0708 and THEA 0708. We strongly recommend that these classes be taken in the same semester, with the understanding that a central goal of the joint major is the thorough integration of both aspects of the joint major. A single-credit, single-semester joint project remains an option for those who wish to pursue a joint thesis that does not include a practical component such as acting or directing.

**Requirements for the Minor**: Students minoring in English and American Literatures will take a minimum of six courses, including ENAM 0103 or CMLT 0101 and five electives, chosen carefully to satisfy the following distribution requirements. A single course may fulfill more than one distribution requirement:

- At least **one** course will be devoted to literature (English, British, and/or American) before 1800. These courses will bear the *(Pre-1800)* designation.
- At least **one** will be a junior seminar. All ENAM 04XX classes are junior seminars.
- At least **one** will be devoted to American Literature before 1900. These classes will bear the *(Pre-1900 AL)* designation.
- At least **one** will expose students to cultural diversity in Literatures in English. Such courses are centrally concerned with material and approaches attending to differences in race, ethnicity, class, gender, and/or sexuality. These courses will bear the departmental *(Diversity)* designation.

**OLD Requirements**

***Requirements for the Major***: Twelve courses are required of all students majoring in English and American Literatures. 1) ENAM 0103 or CMLT 0101; 2) ENAM 0201 or 0204; 3) ENAM 0205; 4-5) two courses concerning literature written prior to the year 1700 (Period I); 6-7) two courses concerning literature written between 1700 and 1910 (Period II), at least one of which must concern American Literature (AL); 8-10) three ENAM electives; 11) an ENAM Junior Seminar (4xx); and 12) a senior thesis. In addition, students wishing to write a creative senior thesis must complete three workshop courses (one at the 0100-level and two at the advanced level) prior to beginning the senior project. Creative writing workshops may NOT be used to fulfill other ENAM major requirements. LITS 0705, Senior Colloquium in Literary Studies can also be used to fulfill the Junior Seminar requirement in ENAM. Students should complete a Junior Seminar prior to beginning a critical senior thesis project.

***Joint Major***: A joint major in English and American Literatures requires a minimum of seven ENAM courses, including the following: 1) ENAM 0103 or CMLT 0101; 2) ENAM 0201 or 0204; 3) one ENAM course concerning literature written prior to the year 1700 (Period I); 4) one ENAM course concerning literature written between 1700 and 1910 (Period II); 5) one ENAM elective; and 6) an ENAM junior seminar (4xx). Of 3-6 above, at least one course must concern American literature (AL). Joint majors must also design a senior thesis project that brings together aspects of the two majors. Joint majors must be approved by the chairs of both departments or programs involved.
Students wishing to undertake a joint major in ENAM and Theatre should be advised that senior work will normally comprise two full-credit classes, ENAM 0708 and THEA 0708. We strongly recommend that these classes be taken in the same semester, with the understanding that a central goal of the joint major is the thorough integration of both aspects of the joint major. A single-credit, single-semester joint project remains an option for those who wish to pursue a joint thesis that does not include a practical component such as acting or directing, and also for all students graduating in March 2015 or in May 2015, regardless of the kind of project, under the former requirements.

***Minor:*** A minor in English and American Literatures requires six courses: 1) ENAM 0103 or CMLT 0101; 2) ENAM 0201 or 0204; 3) Four ENAM courses, at least one of which must concern literature written prior to the year 1700 (Period I), and one must concern American literature (AL).

***Senior Program***: The ENAM senior program consists of a required one-semester creative or

critical thesis of 30-35 pages in length (ENAM 0700, CRWR 0701). CRWR 0701 requires the prior completion of one 0100-level CRWR workshop and two 0300-level CRWR workshops and a grade of at least B+ in both 0300-level courses before undertaking a thesis. Students writing a critical thesis must enroll concurrently in the thesis workshop (ENAM 0710 or CRWR 0711). All students will participate in an oral defense of their work with the adviser and second reader of the project. Students are encouraged to complete their Junior Seminar requirement before embarking on their senior work.

**Honors**: Departmental honors will be awarded to those students who achieve a departmental GPA of 3.85 and above. In determining the numerical average of course grades, all courses designated ENAM will be counted, as will all other courses that fulfill requirements for the major. Joint majors are eligible to receive honors. In determining joint honors, all courses that fulfill requirements for both majors will be counted.

***Courses for Non-Majors***: The Department of English and American Literatures offers a wide variety of courses in literature that are open without prerequisite to all students in the college. These include most 0100 and 0200-level courses and some 0300-level courses. The ENAM 0103/CMLT 0101, 0201/0204 sequence is intended for declared or potential majors and minors. The 0100 level courses are recommended for students, primarily in their first or second years, with interests in comparative, thematic, and theoretical approaches to literature. They are especially suitable for meeting the colleges Literature (LIT) distribution requirement.

## CRWR0106 Writing for the Screen I (Fall 2016)

In this course we will examine the fundamental elements of dramatic narrative as they relate to visual storytelling. We will emphasize the process of generating original story material and learning the craft of screenwriting, including topics such as story, outline, scene structure, subtext, character objectives, formatting standards, and narrative strategies. Weekly writing assignments will emphasize visual storytelling techniques, tone and atmosphere, character relationships, and dialogue. Students will be required to complete two short screenplays. Required readings will inform and accompany close study of selected screenplays and films. (FMMC 0101 OR CRWR 0170 or approval of instructor) (Formerly FMMC/ENAM 0106) 3 hrs. sem. **ART** (D. Miranda Hardy)

## CRWR0170 Writing: Poetry, Fiction, NonFiction (Fall 2016, Spring 2017)

An introduction to the writing of poetry, short fiction, and nonfiction through analysis of writings by modern and contemporary poets and prose writers and regular discussion of student writing. Different instructors may choose to emphasize one literary form or another in a given semester. Workshops will focus on composition and revision, with particular attention to the basics of form and craft. This course is a prerequisite to CRWR 0380, CRWR 0385, CRWR 0370, and CRWR 0375. (This course is not a college writing course.) (Formerly ENAM 0170) 3 hrs. sem. **ART** (Fall 2016: K. Kramer, C. Shaw; Spring 2017: C. Shaw)

## CRWR0173 Environmental Literature: Reading & Writing Workshop (Fall 2016, Spring 2017)

This course is an introduction to the reading and writing of environmental literature. We will

analyze classic and contemporary model works in prose and poetry, in nonfiction and fiction, all directed at human interaction with the natural world. Our writing assignments will explore this theme in personal essays, poems, literary reportage, poetry, and fiction. Workshops will focus on inspiration, form, craft, and thematic issues associated with the environment. This course is a prerequisite to CRWR 0370, CRWR 0375, CRWR 0380, and CRWR 0385. **ART, LIT** (D. Bain)

## CRWR0175 The Structure of Poetry (Fall 2016, Spring 2017)

This course is a workshop for beginning students in the field of creative writing. Students will read a selection of poems each week and write their own poems, producing a portfolio of their work at the end of the term. There will be an emphasis on revision. Students will be introduced to a range of forms as well, including prose poems, epistles, the tanka, the long poem, and the sonnet. **ART** (Fall 2016: K. Gottshall; Spring 2017: J. Parini)

## CRWR0185 Writing for Children and Young Adults (Fall 2016)

This course is an introduction to writing for children and young adults through analysis of model short fiction and novels, and regular discussion of student writing. We will focus on craft and form with particular attention to the demands of writing for a young audience. Emphasis will be on composition and revision. 3 hrs. lect. **ART** (C. Cooper)

## CRWR0225 Feminist Blogging (Spring 2017)

Blogging is a genre that lends itself to both feminist theory and practice because it involves writing from a particular place and a particular embodiment, about how power operates in our social worlds. Feminist theory demands intersectionality: an ability to weave race, class, gender, sexuality and other forms of power into a single theoretical approach. Feminist blogging transforms intersectionality into a single narrative arc. In this course we will think about blogging as a genre and how feminist theory can infuse that genre into a more vibrant, complex, and even transformative site. Throughout the course we will read feminist theory, analyze feminist blogs, and produce our own feminist blogs. 3 hrs. lect. **CMP, LIT, NOR, SOC** (L. Essig)

## CRWR0318 Playwriting II: Advanced (Spring 2017)

For students with experience writing short scripts or stories, this workshop will provide a support structure in which to write a full-length stage play. We will begin with extended free and guided writing exercises intended to help students write spontaneously and with commitment. Class discussions will explore scene construction, story structure, and the development of character arc. (ENAM 0170 or THEA 0218 or ENAM/THEA 0240; by approval) (Formerly THEA/ENAM 0318) 2 1/2 hrs. lect./individual labs **ART, CW** (D. Yeaton)

## CRWR0333 Writing On Contemporary Issues: Writing, Editing, and Publishing Online (Spring 2017)

This course is an introduction to writing prose for a public audience. Students will create both

critical and personal essays that feature strong ideas and perspectives. The readings and writing will focus on American popular culture, broadly defined. Essays will critically engage elements of contemporary American popular culture via a vivid personal voice and presence. Readings will address current issues in popular culture â Gladwell, âBrain Candy,â Klosterman, âCampus Confidential,â for instance. *ReMix: Reading in Contemporary Culture* is the central text. The end result will be a new online magazine of writings on American popular culture 3 hrs. lect. **ART, CW, NOR, SOC** (H. Vila)

## CRWR0341 Writing for the Screen II (Spring 2017)

Building on the skills acquired in Writing for the Screen I, students will complete the first drafts of their feature-length screenplay. Class discussion will focus on feature screenplay structure and theme development using feature films and screenplays. Each participant in the class will practice pitching, writing coverage, and outlining, culminating in a draft of a feature length script. (Approval required, obtain application on the FMMC website and submit prior to spring registration) 3 hrs. sem/3 hrs. screen. **ART** (D. Miranda Hardy)

## CRWR0370 Workshop: Fiction (Fall 2016)

Study and practice in techniques of fiction writing through workshops and readings in short fiction and novels. Class discussions will be based on student manuscripts and published model works. Emphasis will be placed on composition and revision. (ENAM/CRWR 0170, ENAM/CRWR 0175, or ENAM/CRWR 0185) (Approval required; please apply online at http://www.middlebury.edu/academics/enam/resources/forms or at the Department office) (Formerly ENAM 0370) (This course is not a college writing course) 3 hrs. sem. **ART** (R. Cohen)

## CRWR0375 Advanced Poetry Workshop: The Walk of a Poem (Fall 2016, Spring 2017)

As Lyn Hejinian writes, âLanguage makes tracks.â Poets from Chaucer to Whitman to OâHara have used walking as a poetic method, thematic subject, narrative device, and pedestrian act. The walk is literal and imaginary, metrical and meandering; it traverses urban grids and bucolic landscapes, junctions of space, time, and lexis. In this workshop we will read the topographies of poems, focusing on lyrical cities from Paris to Harlem, Thoreauvian ambles through woods and field, and other literary wanderings and linguistic itinerancies, in order to examine how language gets made and mirrored in the act of moving through place. Students will also set out on walks through the local landscape as they produce their own work. Students will address crucial questions and challenges focused on the craft of poetry through rigorous readings, in-class writing exercises, critical discussions, collaborations, and the development of a portfolio of writing, including drafts and revisions. By the end of the course, students will have engaged deeply with the practice of poetry, established a writing discipline, honed their skills, generated new work, explored by foot, and extended their sense of the possibilities of a poem. **ART, WTR** (Fall 2016: J. Parini; Spring 2017: K. Gottshall)

## CRWR0389 The Contemplative Essay (Spring 2017)

In this course we will write personal narratives and essays based on our own life experience, using the standard workshop format and a one-hour required weekly lab in Basic Mindfulness, a form of Burmese Vipassana meditation. Essays will emphasize fact, as well as insight into work,

life, and writing. Readings will illustrate previous writersâ contemplative experiences, as well as matters of craft, including works by Michel de Montaigne, Rainer Maria Rilke, William James, TS Eliot, Eihei Dogen, Ralph Waldo Emerson, Rebecca Solnit, David Abram, Annie Dillard, and Gary Snyder. (ENAM 0170 or approval required) 3 hrs. lect./1 hr. lab. **LIT, PHL** (C. Shaw)

# CRWR0560 Special Project: Creative Writing (Fall 2016, Spring 2017)

Approval Required.

# CRWR0701 Senior Thesis: Creative Writing (Fall 2016, Spring 2017)

Discussions, workshops, tutorials for those undertaking one-term projects in the writing of fiction, poetry, or creative nonfiction.

# ENAM0103 Reading Literature (Fall 2016, Spring 2017)

## Fall 2016

**Reading Literature**
This course seeks to develop skills for the close reading of literature through discussion of and writing about selected poems, plays, and short stories. A basic vocabulary of literary terms and an introductory palette of critical methods will also be covered, and the course's ultimate goal will be to enable students to attain the literary-critical sensibility vital to further course work in the major. At the instructor's discretion, the texts employed in this class may share a particular thematic concern or historical kinship. 3 hrs. lect./disc. **CW, LIT** (A. Losano, D. Brayton, J. Bertolini)

## Spring 2017

**Reading Literature**
This course seeks to develop skills for the close reading of literature through discussion of and writing about selected poems, plays, and short stories. A basic vocabulary of literary terms and an introductory palette of critical methods will also be covered, and the course's ultimate goal will be to enable students to attain the literary-critical sensibility vital to further course work in the major. At the instructor's discretion, the texts employed in this class may share a particular thematic concern or historical kinship. 3 hrs. lect./disc. **CW, LIT** (J. Berg, T. Billings, E. Napier, A. Losano)

# ENAM0107 The Experience of Tragedy (Fall 2016)

For over two millennia tragedy has raised ethical questions and represented conflicts between the divine and the mortal, nature and culture, household and polity, individual and society. What is tragedy? What led to its production and what impact did it have, in ancient times? Why was it reborn in Shakespeare's time? How has tragedy shaped, and been shaped by, gender, class, religion, and nationality? We will address these questions and explore how tragedy continues to influence our literary expectations and experience. Authors may include Aeschylus, Sophocles,

Euripides, Thucydides, Aristotle, Seneca, Marlowe, Shakespeare, Goethe, Nietzsche, O'Neill, Beckett, Kennedy, and Kushner. 3 hrs. lect. **EUR, LIT** (J. Berg)

## ENAM0180 An Introduction to Biblical Literature (Spring 2017)

This course is a general introduction to biblical history, literature, and interpretation. It aims to acquaint students with the major characters, narratives, and poetry of the Jewish and Christian scriptures, with special emphasis on the ways scripture has been used and interpreted in Western culture. Students interested in more detailed analysis of the material should enroll in RELI 0280 and RELI 0281. 3 hrs. lect./1 hr. disc. **LIT, PHL** (E. Gebarowski-Shafer)

## ENAM0201 British Literature and Culture (I) (Pre-1800) (Fall 2016)

**British Literature and Culture: The Court and the Wilderness (I)**
This course will offer a broad overview of the rich and varied British literature written roughly between 1400 and 1700. Reading a diverse body of material (romance, epic, lyric), we will explore competing notions of subjectivity within the courtly context. As we interrogate the relationship between the court and the social/mythical concept of âwilderness,â we will consider ways in which the apparent opposition between the refined courtier/knight and the âwild manâ often belies a complex mutual dependence. Within this context we will also examine the ways in which notions of sexuality and gender contribute to polarized readings of female conduct as âchasteâ or âwild.â Texts may include: *Beowulf*, *Gawain and the Green Knight*, *Lais of Marie de France*, Chaucerâs *Canterbury Tales*, Spenserâs *The Faerie Queene*, and Shakespeareâs *As You Like It*. 3 hrs. lect. **EUR, LIT** (M. Wells)

## ENAM0204 Foundations of English Literature (I) (Pre-1800) (Fall 2016, Spring 2017)

Students will study Chaucer's *Canterbury Tales* and Milton's *Paradise Lost*, as well as other foundational works of English literature that may include Shakespeare, non-Shakespearean Elizabethan drama, the poetry of Donne, and other 16th- and 17th-century poetry. 3 hrs. lect./disc. **EUR, LIT** (Fall 2016: D. Price; Spring 2017: J. Bertolini)

## ENAM0205 Introduction to Contemporary Literary Theory (Fall 2016, Spring 2017)

This course will introduce several major schools of contemporary literary theory. By reading theoretical texts in close conjunction with works of literature, we will illuminate the ways in which these theoretical stances can produce various interpretations of a given poem, novel, or play. The approaches covered will include New Criticism, Psychoanalysis, Marxism and Cultural Criticism, Feminism, and Post-Structuralism. These theories will be applied to works by Shakespeare, Wordsworth, The BrontÃ«s, Conrad, Joyce, and others. The goal will be to make students critically aware of the fundamental literary, cultural, political, and moral assumptions underlying every act of interpretation they perform. 3 hrs. lect/disc. **EUR, LIT** (Fall 2016: A. Baldridge; Spring 2017: A. Losano)

## ENAM0206 Nineteenth-Century American Literature (II, AL) (Pre-1900 AL) (Spring 2017)

This course will examine major developments in the literary world of 19th century America. Specific topics to be addressed might include the transition from Romanticism to Regionalism and Realism, the origins and evolution of the novel in the United States, and the tensions arising from the emergence of a commercial marketplace for literature. Attention will also be paid to the rise of women as literary professionals in America and the persistent problematizing of race and slavery. Among others, authors may include J. F. Cooper, Emerson, Melville, Douglass, Chopin, Whitman, Dickinson, Twain, Hawthorne, Stowe, Alcott, Wharton, and James. . 3 hrs. lect./disc. **LIT, NOR** (D. Evans)

## ENAM0209 American Literature and Culture: Origins-1830 (II, AL) (Pre-1900 AL) (Fall 2016)

A study of literary and other cultural forms in early America, including gravestones, architecture, furniture and visual art. We will consider how writing and these other forms gave life to ideas about religion, diversity, civic obligation and individual rights that dominated not only colonial life but that continue to influence notions of "Americanness" into the present day. 3 hrs. lect./disc. **LIT, NOR** (E. Foutch)

## ENAM0210 The American Modernists (AL) (Spring 2017)

American writers at the turn of the 20th century faced social, intellectual, and technological change on an unprecedented scale. Individually and collectively they worked to answer William Carlos Williamsâs pressing question: âHow can I be a mirror to this modernity?â In this course we will read, discuss, and write about poetry by writers such as Williams, T.S. Eliot, Ezra Pound, and Wallace Stevens; and prose by Henry Adams, Edith Wharton, Hemingway, Faulkner, Fitzgerald, Nella Larsen, Richard Wright, and others. (Not open to students who have taken ENAM 0207) **LIT, NOR** (B. Millier)

## ENAM0215 Contested Grounds: U.S. Cultures and Environments (Spring 2017)

Throughout the history of the United States, Americans have created a complex set of meanings pertaining to the environments (wild, pastoral, urban, marine) in which they live. From European-Native contact to the present, Americansâ various identities, cultures, and beliefs about the bio-physical world have shaped the stories they tell about ânature,â stories that sometimes share common ground, but often create conflicting and contested understandings of human-environment relationships. In this course we will investigate these varied and contested stories from multi-disciplinary perspectives in the humanitiesâhistory, literature, and religion--and will include attention to race, class, gender, and environmental justice. 3 hrs. lect./disc. **NOR** (D. Brayton)

## ENAM0220 Castaways, Courtesans, and Criminals: The Early English Novel (II) (Pre-1800) (Fall 2016)

**Castaways, Courtesans, and Criminals: The Early English Novel (II)**
The novel was a young and scandalous literary genre in the 18th century. The reading public found the novel to be confusing, unpredictable, racy, morally dangerous--and of course very exciting. In this course we will examine the rise of the novel as a controversial literary genre, tracing its development from Defoeâs *Robinson Crusoe* and *Moll Flanders* in the early part of the century, through Richardsonâs didactic *Pamela* and *Clarissa* and Fieldingâs lively *Tom Jones* in mid-century, to Sterneâs wildly experimental *Tristram Shandy* and the more familiar world of Jane Austen at the centuryâs end. We will also consider the ways in which this history has shaped the fiction of today by reading a 21st century novel, to be determined by the course participants. **EUR, LIT** (E. Napier)

## ENAM0225 Travails of the Self: Eighteenth-Century Literature (II) (Pre-1800) (Spring 2017)

The 'long' 18th century opens with poems of affairs of state and ends with intensely private and often anguished meditations on the self. In this course we will examine the rich range and complexity of 18th century literary concerns through a loosely chronological look at major works of poetry, drama, and fiction of the period: poems of Gay, Pope, Swift, Cowper, and Gray; Congreve's *The Way of the World* and Sheridan's *The School for Scandal*; and Fielding's *Joseph Andrews* and Inchbald's *A Simple Story*. 3 hrs. lect./disc. **LIT** (E. Napier)

## ENAM0234 English Poetry, Romantic to Modern (II) (Fall 2016)

**English Poetry, Romantic to Modern**
This course offers an intensive survey of innovations and revolutions in English poetry from late-18th century Romantic poetry through Victorian poetry of the 19th century to the advent of Modern poetry in the early 20th century. We will read poems by Wordsworth, Keats, Browning, Tennyson, Bronte, Hardy, Hopkins, Eliot, and many others. Readings will also include critical and theoretical articles on individual writers and on poetry more generally. We will make a close study of poetic form and technique as well as explore a wide range of central literary themes across the period such as gender, sexuality, imperialism, race relations, and war). **EUR, LIT** (A. Losano)

## ENAM0236 Contemporary American Playwrights (Fall 2016)

In this course we will explore through discussion and in-class dramatic presentations the plays of a selection of contemporary American writers since 1974. Students will give one oral presentation and submit a concluding essay. Authors read will include Sam Shepard, August Wilson, John Patrick Shanley, Marsha Norman, Tracey Letts, Miguel Pinero, and Ntozake Shange. (Formerly THEA/AMLT 0216) 3 hrs. lect. *(Dramatic Literature)/* **ART, LIT, NOR** (R. Romagnoli)

## ENAM0240 Captivity Narratives (II) (Pre-1900 AL) (Fall 2016)

Captivity narrativesâfirst-person accounts of people's experiences of being forcibly taken and held against their will by an "other"âwere immensely popular and important in early America; the captivity motif has been perpetuated and transformed throughout later American literature and film. In this course we will explore what these types of tales reveal about how Americans have handled the issues of race and racism, religion, gender, violence and sexuality that experiences of captivity entail. Beginning with classic Puritan narratives (Mary Rowlandson) and moving forward through the 19th and 20th centuries, we will consider the ways that novels (*The Last of the Mohicans*), autobiographies (Patty Hearst, Iraqi captivity of Pvt. Jessica Lynch) and films (*The Searchers*, *Little Big Man*, *Dances with Wolves*) do cultural work in shaping and challenging images of American national identity. 3 hrs. lect. **ART, LIT, NOR** (D. Evans)

## ENAM0241 Nineteenth Century British Literature (II) (Spring 2017)

The 19th century is the era of âpeak novel,â for never before or since has the genre exhibited such confidence in its ability to tell the truth about both the teeming world and the private life. But far from merely reflecting social reality, the novelists and poets of the period played an active part in constructing their readers' ideas about gender and sexuality, imperialism and colonialism, class, religion, and technology, insisting that literature be relevant and revelatory in a time of swift and sometimes frightening cultural and intellectual innovation. Works to be covered will include novels by Emily Bronte, Dickens, George Eliot, and Hardy, and the poetry of Tennyson, Browning, and Christina Rossetti. 3 hrs. lect./disc. **EUR, LIT** (A. Baldridge)

## ENAM0244 Twentieth-Century English Novel (Spring 2017)

This course will explore the development of the novel in this century, with a primary focus on writers of the modernist period and later attention to more contemporary works. We will examine questions of formal experimentation, the development of character, uses of the narrator, and the problem of history, both personal and political, in a novelistic context. Readings will include novels by Conrad, Joyce, Forster, Woolf, and others. 3 hrs. lect./disc. **EUR, LIT** (D. Price)

## ENAM0252 African American Literature (AL) (Fall 2016)

**African American Literature (AL)**
This course surveys developments in African American fiction, drama, poetry, and essays during the 20th century. Reading texts in their social, historical, and cultural contextsâand often in conjunction with other African American art forms like music and visual artâwe will explore the evolution and deployment of various visions of black being and black artistry, from the Harlem Renaissance through social realism and the Black Arts Movement, to the contemporary post-soul aesthetic. Authors may include Langston Hughes, Zora Neale Hurston, Gwendolyn Brooks, Ralph Ellison, Lorraine Hansberry, Amiri Baraka, Ishmael Reed, Toni Morrison, Charles Johnson, and Octavia Butler. 3 hrs lect./disc. **LIT, NOR** (W. Nash)

## ENAM0254 American Women Poets (Spring 2017)

We will examine the rich tradition of lyric poetry by women in the U.S. Beginning with the

Puritan Anne Bradstreet, one of the New World's earliest published poets, we continue to the 19th century and Emily Dickinson, along with the formidable line of "poetesses" who dominated the popular poetry press in that era. We examine the female contribution to the Modernist aesthetic in figures like Millay, Moore, H.D. and Gertrude Stein; the transformation of modernist ideals by Bishop, Plath, Sexton, and Rich; and, among the postmodernists, Lyn Hejinian and Susan Howe. 3 hrs. lect. **LIT, NOR** (B. Millier)

## ENAM0259 Cultural Crossings: Studies in Literary Influence (Fall 2016)

Centered on a range of provocative narratives conceived at different historical moments and in different cultural situations, this course will explore some of the persistent imaginative preoccupations and far-reaching literary ambitions that serve to link authors working in a wide variety of genres and traditions. Authors to be considered this semester will include Petronius, F. Scott Fitzgerald, Thomas Carlyle, Herman Melville, Gustave Flaubert, Willa Cather, Ivan Turgenev, Vladimir Nabokov, Franz Kafka, and Thomas Pynchon. In addition to reading works by these authors in relation to one another, students will be encouraged to undertake independent comparisons between works on our reading list and works by authors who are not represented. 3 hr. lect. **CMP, EUR, LIT** (S. Donadio)

## ENAM0260 Style and Ideas in Modern British Drama (II) (Fall 2016)

During the 19th century the craft of Shakespeare devolved into mere popular entertainment, but in the1890s Oscar Wilde and Bernard Shaw re-established drama as literature, to be taken as seriously as the best poetry and fiction. In Ireland, Lady Gregory, Synge, and OâCasey critiqued the moral condition of their nation. And in the 1930s T.S. Eliot used his poetic power to revive verse drama, while Noel Coward and Terence Rattigan created comedies and dramas that used the style/form of dialogue in newly expressive ways. We will explore the superb art and craft of playwriting by these masters of dramatic form. **EUR, LIT** (J. Bertolini)

## ENAM0263 American Psycho (Spring 2017)

**American Psycho: Disease, Doctors, and Discontents (II) (AL) (Pre-1900 AL) ***
**What constitutes a pathological response to the pressures of modernity? How do pathological protagonists drive readers toward the precariousness of their own physical and mental health? The readings for this class center on the provisional nature of sanity and the challenges to bodily health in a world of modern commerce, media, and medical diagnoses. We will begin with 19th century texts and their engagement with seemingly "diseased" responses to urbanization, new forms of work, and new structures of the family and end with contemporary fictional psychopaths engaged in attacks on the world of images we inhabit in the present. Nineteenth century texts will likely include stories by Edgar Allan Poe, Nathaniel Hawthorne, Herman Melville, and Charlotte Perkins Gilman. Later 20th-century works will likely include Ken Kesey, /One Flew Over the Cuckoo's Nest/, Thomas Harris, /The Silence of the Lambs/, Susanna Kaysen, /Girl, Interrupted/, and Bret Easton Ellis, /American Psycho/. LIT, NOR** (M. Newbury)

# ENAM0275 Multi-Ethnic British Literatures (Spring 2017)

"My name is Karim Amir," announces the protagonist of a Hanif Kureishi novel, "and I am an Englishman born and bred, almost." In this course we will investigate the complex subject of ethnic and national identity in the writing of British authors of Asian, African, and Caribbean descent. We will trace the shifting meanings of "black" and "British" as we move from 1950s migrant fictions to more recent reckonings with British multiculturalism. Topics to be considered will include diaspora and the work of memory; race and religion after 9/11; the representation of urban space; and the experience of asylum-seekers and refugees. 3 hrs. lect./disc. *(Diversity)/* **CMP, EUR, LIT** (B. Graves)

# ENAM0304 The Graphic Novel (Fall 2016)

In this course we will study some of the most widely respected graphic novels produced in the last thirty years. Our purpose will be to understand how the form works and is structured by its dual, but sometimes competing, interests in the verbal and the visual, and to think about distinct styles of illustration. We will also think about how landmark examples have shaped the form. Working with software designed for the purpose, students will use photographs to produce short comics of their own. Possible texts include: Alan Moore, *Watchmen*; Art Spiegelman, *Maus*; Chris Ware, *Jimmy Corrigan*; Alison Bechdel, *Fun Home*. 3 hrs. lect. **LIT, NOR** (M. Newbury)

# ENAM0308 The Literature of the First World War (Fall 2016)

**The Literature of the First World War**
In this course we will study literature generated by observers of the Great War (1914-18) and its aftermath. We will examine the writing of War poets such as Rupert Brooke, Siegfried Sassoon, Wilfred Owen, Isaac Rosenberg, and Robert Graves, and novelists such as Ernest Hemingway (A Farewell to Arms), Erich Maria Remarque (All Quiet on the Western Front), Kazuo Ishiguro (The Remains of the Day), and Pat Barker (Regeneration). Personal accounts and visual art that take as their subject the Great War will also be discussed. We will also consider protest, trauma, grief, and memory, as well as the technical and stylistic innovations that emerged during this period. 3 hrs. Lect/Disc. **EUR, LIT** (E. Napier)

# ENAM0312 Modern Poetry (Spring 2017)

This course will examine the nature and achievement of the major modern poets of Britain and America during the modern period, beginning with the origins of poetic modernism in the work of Gerard Manley Hopkins, Emily Dickinson, and Walt Whitman. The central figures to be studied are William Butler Yeats, T.S. Eliot, Robert Frost, Wallace Stevens, and W.H. Auden. The course will conclude with a look at some after-echoes of modernism in the work of Elizabeth Bishop and others. Two papers, one exam, with occasional oral presentations in class 3 hrs. lect./disc. **LIT** (J. Parini)

# ENAM0316 Poetry and the Spiritual Tradition (Fall 2016)

In this course we will examine the long and intimate connection between poetry and spirituality, looking especially at the influence of Christian thinking on such English and American poets as

John Donne, George Herbert, Gerard Manley Hopkins, and T.S. Eliot. The course will begin with a study of the King James Version of the Book of Psalms, which deeply affected later British and American poetry. We will also read early Taoist and Islamic poets, including Lao Tse and Rumi. The course will conclude with a look at the work of several contemporary poets: Charles Wright, Louis GlÃ¼ck, and Mary Oliver. **CMP, LIT, PHL** (J. Parini)

## ENAM0317 Lost & Found in Translation (Fall 2016)

In this course we will explore the fundamental philosophical, sociological, and linguistic questions raised by translingual communication through a survey of the greatest theoretical writings on translation together with a comparative study of multiple translations of coherent sections from major works such as the Bible, the *Iliad*, *One Thousand and One Nights*, and the *Tao Te Ching*, as well as other shorter texts. Questions to be considered include: How much does language determine how we think? How much of language is culture? What is unique to translating sacred texts, poetry, âexoticâ languages, and dead languages? How do we define the âuntranslatableâ? Are translators traitors, drudges, or artists? Can machines translate? 3 hrs. lect./disc. **AAL, CMP, LIT** (T. Billings)

## ENAM0325 Chinese Poetry in the Far West (Spring 2017)

Although Tang poetry is recognized as one of the great achievements of world literature, much of its beauty is often lost in translation. In this courseâintended for students with no knowledge of Chineseâwe will thus devote a significant portion of our time learning from scratch how to read Tang poetry in the original by studying the most common characters and the most fundamental grammatical structures found in the Tang âsonnet.â We will also discuss such topics as: differences between Chinese and European poetics; theories of translation and intercultural adaptation; Orientalist fantasies of the ideogram; and the impact of Chinese poetry on Imagism. Students will study and write multiple translations in various styles. Readings will include both poetry and critical theory. No knowledge of Chinese is necessary. 3 hrs. lect./disc. **CMP, LIT** (T. Billings)

## ENAM0330 Shakespeareâs Career (I) (Pre-1800) (Fall 2016)

In this course we will study the whole arc of William Shakespeare's literary career from the earliest histories, comedies, and non-dramatic poetry to the more mature tragedies and romances, with an eye to understanding Shakespeareâs development as a writer in his own time. How might the plays have resonated for his first audiences on stage, and how have subsequent readers drawn their own meanings from the published texts? Reading one play a week, we will pay close attention to such dramaturgical issues as Shakespeareâs construction of character and of plot, his adaptation of sources, and his modes of versification, as well as the ethical, political, and commercial implications of Shakespeareâs works during his lifetime, some of which stand in contrast with what we learn from them today. 3 hrs. lect./1 hr. disc./3 hrs. screen. **EUR, LIT** (T. Billings)

## ENAM0332 Shakespeare's Tragedies and Histories (I) (Pre-1800) (Spring 2017)

An intensive consideration of language, style, character, and structure, first in Shakespeare's epic history-play cycle, Richard II, Henry IV, and Henry V, and then in the major tragedies, *Hamlet*, *King Lear*, and *Anthony and Cleopatra*. 3 hrs. lect.; disc; screening **EUR, LIT** (J. Bertolini)

## ENAM0359 The Art of Vladimir Nabokov (in English) (Spring 2017)

A study of the "perverse" aesthetics of this Russian-American writer. We will expose the hidden plots under the surface of his fiction, follow and arbitrate the ongoing contest between the author and his fictional heroes, and search for the roots of Nabokov's poetics in Western and Russian literary traditions. An attempt will be made to show the continuity between the Russian and English works of this bilingual and bicultural writer. 3 hrs. lect. **LIT, NOR** (M. Walker)

## ENAM0409 Seminar: James Joyce (Fall 2016)

In this seminar we will study two of Joyceâs major works of fiction: *Dubliners, A Portrait of the Artist as a Young Man*, and *Ulysses*. There will be some emphasis on background material to illustrate and clarify the rich array of specific details, settings, persons, and events which make up the turn-of-the-century world of Irish Catholic Dublin, the exclusive scene of all of Joyceâs fiction. We will also consider various critical approaches to Joyceâs monuments of modernism. 3 hrs. sem. (D. Price)

## ENAM0419 Gender, Power, and Politics on the Early Modern Stage (I) (Pre-1800) (Spring 2017)

In this class we will explore the representation of embodiment on the early modern stage, considering as we do so how theatrical embodiment intersects with other treatments of the body in early modern culture. As we consider the representation of the gendered body on stage or in so-called "closet" dramas, we will read both early modern and contemporary theoretical accounts of gender as performance, investigating among other issues the use of boy actors, the representation of specifically "female" disorders (e.g., "suffocation" or hysteria), the performance of maternity, the portrayal of female "voice" or vocality, and the treatment of same-sex eroticism. We will also study the dramatic use of related cultural codes pertaining to betrothal, marriage, cross-dressing, and sexual slander. Primary readings will include: Shakespeare's *The Winter's Tale*, Webster's *Duchess of Malfi*, Cary's *Tragedy of Mariam*, and Cavendish's *Convent of Pleasure*. Historical sources will include midwifery manuals, conduct books, medical treatises on hysteria, and legal accounts of betrothal and marriage. 3 hrs. lect. **EUR, LIT** (M. Wells)

## ENAM0423 Return of the Screw: Tangled Texts (Fall 2016)

In this course we will explore the ambiguous and incomplete in fiction, and where these qualities take readers. We will start out by reading Henry James's *The Turn of the Screw*, the most mind-blowing, sinister, and perplexing ghost story in literature. (Or maybe it's not a ghost story.) By looking at the ways in which several generations of readers and critics have grappled with the story's essential ambiguity, we will ask questions about the complicated issue of authorial intent in fiction, the relevance of biography, and the limits of interpretation. Besides criticism and

biographical excerpts we will read other fictions that have reimagined the novella, such as A.N. Wilson's *A Jealous Ghost*. We will then look at other literary pairings (such as Bronte's *Jane Eyre* and Rhys's *Wide Sargasso Sea*) and self-contradictory texts by one author (such as Salinger's *Seymour* and *A Perfect Day for Bananafish*) to consider other ways in which texts have responded to each other. We will end by considering some contemporary works (online and off) that break down the boundaries between author and reader. In the course of the readings we will be investigating such concepts as originality and plagiarism, intertextuality, and authenticity. **LIT** (K. Kramer)

## ENAM0445 Recent Novels of Environmental Justice (Fall 2016)

**Recent Novels of Environmental Justice**
In recent years environmental justice has emerged as a major topic in the humanities. This intersection of environmentalism and social justice is motivated by a concern for the differential access to natural resources (clean water, clean air, tillable land) afforded to different groups of people within particular social systems. Students will encounter these themes through the reading of many global Anglophone novels, including *Waterland*, by Graham Swift; *The Hungry Tide*, by Amitav Ghosh; *Animal's People*, by Indra Sinha; *A Thousand Acres*, by Jane Smiley; *Ceremony*, by Leslie Marmon Silko; and *Disgrace*, by J.M. Coetzee. 3 hrs. sem. **CMP, LIT** (D. Brayton)

## ENAM0463 Imagined Nations: Coetzee and DeLillo (Spring 2017)

J. M. Coetzee, chronicler of pre- and post-apartheid South Africa, asserts that âwhen the order of justice collapses in the state, it collapses in the heart too.â But to what extent can art and literature remedy a cultureâs disease? Don DeLillo, examiner of Americaâs hyper-commercialized soul, fears the extinction of the writerâs individual voice in a world where âthe future belongs to crowds.â Geographically worlds apart, Coetzee and DeLillo are united by an unsparing commitment to diagnose their respective nationsâ social maladies and to assess literatureâs imperiled relevance amid the postmodern condition. We will read the best of both authors, including *Waiting for the Barbarians*, *Disgrace*, *White Noise*, and *Mao II*. 3 hrs. sem. **CMP, LIT** (A. Baldridge)

## ENAM0500 Special Project: Literature (Fall 2016, Spring 2017)

Approval Required.

## ENAM0700 Senior Thesis: Critical Writing (Fall 2016, Spring 2017)

Individual guidance and seminar (discussions, workshops, tutorials) for those undertaking one-term projects in literary criticism or analysis. All critical thesis writers also take the Senior Thesis Workshop (ENAM 700Z) in either Fall or Spring Term.

# ENAM0705 Senior Colloquium in Literary Studies (Fall 2016)

Although it is required of all Literary Studies senior majors, this course is intended for students working in any discipline who seek a close encounter with some of the greatest achievements of the literary imagination. In addition to being understood as distinctive artistic and philosophical accomplishments, the six major works which constitute the reading list will also be seen as engaged in a vital, overarching cultural conversation across temporal and geographical boundaries that might otherwise seem insurmountable. The texts for this semester are: Homer, *The Odyssey*; Tolstoy, *War and Peace*; Dostoevsky, *The Brothers Karamazov*; Mann, *The Magic Mountain*; Proust, *Swannâs Way*; Joyce, *Ulysses*. (Open to non-majors with the approval of the instructor.) 3 hrs., seminar. (S. Donadio)

# ENAM0708 Senior Work: Joint Majors in English & American Literatures and Theatre (Fall 2016, Spring 2017)

Approval required.

## Environmental Studies

***Required for the Major in Environmental Studies***: The environmental studies major is composed of course work in four areas: (1) a set of core courses to be completed by the end of the junior year, (2) an in-depth focus, (3) cognate courses that supplement the breadth gained in the core courses, and (4) the senior-level seminar.

Except for transfer students, the core courses must be taken at Middlebury College. A maximum of three courses taken off campus may be credited toward completion of the major. The student's advisor must approve all such off-campus courses.

***Joint Majors***: Students may pursue a joint major with environmental studies and other majors. The other major usually overlaps the student's focus. Those who focus in architecture and the environment, conservation biology, environmental chemistry, environmental geology, geography, or human ecology automatically qualify as joint majors. Students in other foci should consult with the director about joint majors. Due to the interdisciplinary nature of the environmental studies major, there is no reduction in course requirements for the environmental studies component of a joint major.

***Minor in Environmental Studies***: The minor in environmental studies consists of five courses from across the humanities, natural sciences, and social sciences: ENVS 0112; ENVS or ENVS/PSCI 0211; ENVS or ENVS/ENAM 0215 (these three to be completed by the end of the sixth semester); one course from among DANC 0277, ECON 0265, ENAM 0227, ENAM 0315, ENVS 0209, ENVS 0210, ENVS 0395, GEOG 0207, HIST 0222, PHIL 0356, PSCI 0212, PSCI 0214, PSYC 0233, RELI 0295, or SOAN 0211; one course from among BIOL 0140, ENVS 0240, ENVS/CHEM 0270, GEOL 0112, or GEOL 0323. Except for transfer students, ENVS 0112, ENVS or ENVS/PSCI 211; and ENVS 0215 must be taken at Middlebury College. However, students receiving a score of 5 on the Advanced Placement Examination in environmental science will receive credit for ENVS 0112. With the approval of the director of the Environmental Studies program director, a maximum of one course taken off campus (not including AP Environmental

Science) may be credited toward completion of minor requirements other than 0112, 0211, and 0215.

**ENVS Program Honors**: Program honors will be awarded to students who complete a multi-term senior thesis on a topic pertinent to the relationship between humans and the environment and meet the following requirements. The thesis must be of superior quality (B+ or higher), and the student must achieve an average GPA of B+ or higher in courses taken toward completion of the major. Courses counting toward the GPA in the major include core courses, the two highest-grade cognate courses, courses taken in fulfillment of focus requirements (highest grades if extra courses in the focus were taken), and ENVS 0401. Thesis grades do not count in calculating the final GPA for honors. Seniors conduct a senior thesis project by successfully completing one or two terms of ENVS 0700, followed by one term of ENVS 0701 OR equivalent senior independent study courses in a department that is part of their focus. Students who are joint majors should discuss ENVS program and departmental honors requirements with their advisors.

***International Environmental Studies***: The program offers no formal or official major, minor, or focus in international environmental studies For students interested in international environmental studies, we recommend the following approach: (1) select the existing focus that most closely meets your academic goals (for example, environmental economics or environmental policy or human ecology); (2) undertake language training, if relevant, for the areas of the world in which you plan to study; (3) study abroad for a semester to gain a deeper understanding of the issues and areas that most interest you; and (4) weave some of the following courses, which explicitly deal with international and comparative environmental issues, into your academic career: ENVS 0240, ENVS 0380, ENVS 0390, FREN 0315, GEOG 0207, GEOG 0210, GEOG 225, HARC 264, HIST 0419, PSCI 0209, PSCI 0210, PSCI 0214, PSCI 0452, RELI 0395, SOAN 0211, SOAN 0333, SPAN 0384.

**I. Core Courses**: All Environmental Studies majors are required to complete these four 0100-level to 0200-level core courses plus the ENVS 0401 senior seminar. The 0100-level to 0200-level core classes provide an introduction to perspectives on environmental issues from the humanities, natural sciences, and social sciences, as well as basic approaches critical to understanding human interactions with the environment. The 0100-level to 0200-level core courses must be completed by the end of the junior year, and ENVS 0112 in particular should be completed by the end of the sophomore year.

ENVS 0112 Natural Science and the Environment
ENVS 0211 Conservation and Environmental Policy
ENVS 0215 Contested Grounds: U.S. Cultures and Environments
GEOG 0120 Spatial Thinking with Geographic Information Systems

**Note: Only those students who have completed all four of the above-listed core courses are eligible to enroll in ENVS 0401 or to sign up for ENVS 0700.

**Note: Students receiving a score of 5 on the Advanced Placement Examination in environmental science will receive credit for ENVS 0112.

**II. Foci**: Students must complete all of the requirements for one of the following foci. Courses taken within the focus that are not specified must be approved by the student's advisor. Some foci qualify the student for joint major status. Note that each focus falls into one of three broad groupings.

**Environmental Science**

***Conservation Biology***: (This focus requires nine courses). BIOL 0140; BIOL 0145; BIOL 0392; BIOL 0211; two research methods courses chosen from BIOL 0302, BIOL 0304, and BIOL 0323; one organismal course chosen from among BIOL 0201, BIOL 0202, BIOL 0203, and BIOL 0310; and two BIOL electives chosen from the 0200-0700 level (only one of which can be BIOL 0500 or higher). Note: Winter Term courses offered through the Biology Department can be used to satisfy one of the elective courses. (This focus qualifies students for joint major status.)

***Environmental Chemistry***: (This focus requires seven or eight courses depending on senior work). CHEM 0103; CHEM 0104 or 0107; CHEM 0203, CHEM 0204; CHEM 0270; CHEM 0311; and at least one semester of formal senior-level research focusing on chemistry and the environment chosen from: independent study (ENVS 0500 or CHEM 0700), or the senior thesis sequence (CHEM 0400/0700/0701 or ENVS 0500/0700). Students wishing to pursue graduate study in environmental chemistry are advised to take additional courses, in the appropriate field of science, and should consult with their advisor. (This focus qualifies students for joint major status.)

E***nvironmental Geology***: (This focus requires eight courses). One introductory course from among GEOL 0112 (preferred), GEOL 0161, and GEOL 0170; one course from among GEOL/GEOG 0251, GEOL/GEOG 0255, and GEOL/GEOG 0257; one course from among GEOL 0201, GEOL 0211, and GEOL 0281; three electives, two of which must be at the GEOL 0300-level; and two courses of senior work, GEOL 0400 and GEOL 0700. These are considered minimum requirements. Please note that geology graduate programs require additional courses in the cognate sciences of biology, chemistry, computer science, mathematics, and physics. Students should consult with their advisors regarding additional cognates. (This focus qualifies students for joint major status.)

**Environmental Policy and Analysis**

***Conservation Psychology***: (This focus requires seven courses). PSYC 0105; PSYC 0201; PSYC 0202; PSYC 0233; PSYC 0416; two additional courses to be determined in consultation with the student's advisor.

***Environmental Economics***: This focus requires seven courses). MATH 0121 or MATH 0122; ECON 0155; ECON 0210; ECON 0255; ECON 0265; ECON 0465; one course from among ECON 0211, ECON 0228, ECON 0275, ECON 0328, ENVS 0385, ECON 0425, ECON 0428, and ECON 0444.

***Environmental Policy***: (This focus requires seven courses). ECON 0155; ECON 0265; ECON 0210 or MATH 0116 or PSYC 0201; PSCI 0212 or PSCI 0214or ENVS 0385; PSCI 0421 or PSCI 0452; two courses from among ENVS 0209, GEOG 0207, and any Political Science courses at the 0200-0300 level.

***Geography***: (This focus requires seven courses). GEOG 0100; GEOG 0120; three courses at the 0200-level (none of which may be numbered 0250 or above); one course at the 0300-level; and one 0400-level seminar. The electives, the seminar, and the joint senior work must be selected in consultation with, and approved by, the students Geography advisor.

***Human Ecology***: (This focus requires eight or nine courses depending on senior work). SOAN 0103; SOAN 0105; SOAN 0211; SOAN 0301 or SOAN 0302; SOAN 0305 or SOAN 0306; two electives related to the topic of human ecology (to be selected in consultation with your advisor) from among Sociology-Anthropology offerings, or ENVS 0210. In addition, students will take

either SOAN 0700 (one-semester senior project) or SOAN 0710 (multi-semester senior project). (This focus qualifies students for joint major status.) No more than one course may be taken outside of the regular fall and spring semesters at Middlebury (e.g., as a Winter Term course or transfer credit).

**Environmental Humanities and Arts**

***Joint Major, Architectural Studies/Environmental Studies "Architecture and the Environment"****:* (This focus requires eight courses) HARC 0100; HARC 0130; HARC 0230; HARC 0231 (prerequisite for HARC 0731); HARC 0330 (or approved substitute); one additional course that deals with architectural history, urbanism, or contemporary visual culture; HARC 0731 and HARC 0732, to be taken sequentially. *Advisory:This joint major track does not result in a professional degree in architecture. Many graduate architecture schools expect applicants to have taken a survey of modern architecture as well as college-level courses in calculus and physics.*

***Creative Arts***: (This focus requires eight courses) Students proposing a Creative Arts focus will submit to the arts advisor and ES chair a 1-2 page statement articulating their proposed connection between art and the environment, specifically linking their creative work with environmental perspectives.

***For students emphasizing Dance, Studio Art, or Theater***: ARDV 0116 or ART 0157 or ART 0158 or ART 0159; ENVS/DANC 0277 or ENVS/DANC 0377; three courses in the student's arts department at the 0100-0400 level that are best suited to enrich their approach to questions of human interactions with the environment (chosen in consultation with the appropriate arts advisor); two studio courses in one discipline which must be above the 0200-level, selected in consultation with the student's advisor; senior independent project or advanced studio course in the discipline of the selected art form. Public showing of artistic work is required, along with an artist's written statement linking environmental studies and the artistic emphasis in question.

***For students emphasizing Film and Media Culture***: FMMC 0105; ENVS/DANC 0277 or ENVS/DANC 0377; FMMC 0101 and two critical studies courses that are best suited to enrich the student's approach to questions of human interactions with the environment (chosen in consultation with the FMMC advisor); two production oriented classes selected in consultation with the student's FMMC advisor; senior independent project or advanced studio course in the discipline of the selected art form. Public showing of artistic work is required, along with an artist's written statement linking environmental studies and the artistic emphasis in question. The guidelines, prerequisites, expectations, and forms for applying to do an independent project are detailed on the Film and Media Culture website.

***Environmental History***: (This focus requires seven courses). HIST 0222; three HIST courses in students' area of interest at the 0100-0300 level; one 0400-level HIST readings course (preferably, but not necessarily HIST 0406 or HIST 0419); HIST 0600; one course from among AMST 0245, HARC 0218, PHIL 0356, RELI 0110, RELI 0120, RELI 0130, RELI 0140, RELI 0150, RELI 0160, RELI 0220, RELI 0225, RELI/AMST 0274, ENVS 0295, ENVS 0395, or one literature course at 0200-0300 level in chosen area of study.

***Environmental Nonfiction***: (This focus requires seven or eight courses depending on senior work). ENAM 0103; CRWR 0170 or CRWR 0175; one of ENAM 0201, 0206, or 0208; ENAM 0227 or ENAM 0243; two 0300-level writing workshops; at least one term of senior independent writing, typically: ENAM 0700 (for a one-term project) or ENVS 0700/0701 (for a two-term thesis).

***Literature***: (This focus requires eight courses).ENAM 0103 or CRWR 0175; ENAM 0201 or 0204; ENAM 0206 or 0208; two courses from among ENAM/AMST 0207, ENAM/AMST 0209, ENAM 0250, ENAM 0311, FREN 0315, and SPAN 0384; ENAM 0330, ENAM 0331, or ENAM 0332; ENAM 0243 or ENAM 0227; and an upper level seminar approved in writing by the advisor for the literature focus.

***Religion***, **Philosophy, and the Environment**: (This focus requires eight or nine courses depending on senior work). RELI 0295; ENVS 0395 or PHIL 0356; at least one introductory level course from among RELI 0110, RELI 0120, RELI 0190, PHIL 0150, or any additional 0100 or 0200-level RELI or PHIL course with approval of the advisor; an additional four courses from among PHIL 0205, PHIL 0206, GEOG 0207, and any 0300-0400-level course in philosophy or religion with approval of the advisor; at least one semester of independent study related to the focus (ENVS 0500).

**III. Cognate Courses**

Two of the following courses are required, with the restrictions that: (1) students focusing in an environmental science (biology, chemistry, or geology) must take both of their cognates outside of the natural sciences; (2) students focusing in an area other than environmental science must take both cognates as science courses with laboratory (these courses are in addition to ENVS 0112); and (3) courses in a student's focus or focus department cannot count as cognates. Not all of these courses are offered each year; check with the relevant department to determine course offerings.

**Natural Science Courses**
Any winter term course explicitly labeled ENVS and explicitly described in the Winter Term Catalogue as counting as a natural science lab cognate for Environmental Studies majors with a focus outside of the natural sciences.

BIOL 0140 Ecology and Evolution
BIOL 0302 Vertebrate Natural History
BIOL 0304 Aquatic Ecology
BIOL 0323 Plant Community Ecology
BIOL 0392 Conservation Biology
CHEM 0270 Environmental Chemistry
CSCI 0190 Computing through Simulation
ENVS 0240 The Science of Climate Change
GEOL 0105 Energy and Mineral Resources (formally GEOL 0205)
GEOL 0112 Environmental Geology
GEOL 0161 Elements of Oceanography
GEOL 0202 Climate and Earths History (formally GEOL 0221 Geology of Climate Change)
GEOL 0250 Arctic and Alpine Environments
GEOL/GEOG 0251 Geomorphology
GEOL 0255 Surface and Ground Water
GEOL 0257 Soils, Geology, and the Environment
GEOL 0323 Environmental Geochemistry

**Arts, Humanities, and Social Science Courses**
Any winter term course explicitly labeled ENVS and explicitly described in the Winter Term Catalogue as counting as a cognate for Environmental Studies majors with a focus in the environmental sciences.

AMST 0214 Mastodons, Mermaids, and Dioramas: Capturing Nature in America
AMST 0245 American Landscape 1825-1865
AMST 0300 Reclaiming the Swamp: History, Science, and the Challenge of the Everglades
ARBC 0431 The Environmental Middle East: Forests, Rivers, and Peoples
DANC 0277 Body and Earth
ECON 0265 Environmental Economics
ECON 0365 Climate Change Economics
ECON 0465 Special Topics in Environmental Economics
EDST 0420 Education for Sustainability
ENAM 0227 Encounters with the Wild: Nature, Culture, Poetry
ENAM 0243 Maritime Literature and Culture
ENAM 0311 Nature's Renaissance
ENAM 0445 Recent Novels of Environmental Justice
ENVS 0209 Gender Health and the Environment
ENVS 0210 Social Class & the Environment
ENVS/ARBC 0245 Human Environment Relations: Middle East
ENVS 0330 Conserving Endangered Species
ENVS 0385 Global Political Ecology
ENVS/RELI 0395 Religion, Ethics, and the Environment
FMMC 0285 Sustainable TV: Producing Environmental Media
GEOG 0207 Resource Wars: A Geopolitical Perspective
GEOG 0209 Human Geography of Hazards
GEOG 0210 Geographic Perspectives on International Development
GEOG 0213 Population Geography
GEOG 0216 Rural Geography
GRMN 0445 Contemporary Germany and Sustainability
HARC 0231 Architecture and the Environment
HARC 0264 Art, Change, and the Global Environment
HARC 0327 Photography and the Environmental Ethos
HIST 0222 United States Environmental History: Nature and Inequality
HIST 0411 Readings in U.S. History: American Environmental History (formerly HIST 0406)
HIST 0441 Readings in African History: Environmental History (formerly HIST 0419)
INTD 0280 Middlebury's Foodprint:Introduction to Food Systems Issues
INTD 0281 Food, Power, & Justice
INTD 0310 Argoecology
PHIL 0356 Philosophy and the Environment
PSCI 0209 Local Green Politics
PSCI 0212 Comparative Environmental Politics
PSCI 0214 International Environmental Politics
PSCI 0421 American Environmental Politics
PSCI 0452 Global Environmental Justice
PSYC 0233 Environmental Psychology
PSYC 0416 Environmental Problems and Human Behavior
SOAN 0159 Human Origins, Culture, and Biodiversity
SOAN 0211 Human Ecology
SOAN 0308 Environmental Sociology
SOAN 0320 Environmental Justice US
SOAN/LNGT 0395 Language and the Environment
or SOAN/LNGT 0495 Language and the Environment

**IV. Senior Experience**

All seniors are required to take ENVS 0401, the ENVS senior seminar devoted to community-connected learning and requiring significant interdisciplinary work. Note that some ENVS foci require independent work during the senior year. Students who are not required to do independent senior work in their focus may elect to do independent work in ENVS, which may be carried out as a one or more semester ENVS 0700 project, or as an ENVS thesis (at least one semester of ENVS 0700 followed by one semester of ENVS 0701). Senior independent work carried out in ENVS must be on a topic pertinent to the relationship between humans and environment and be supervised by a faculty advisor who is appointed in or affiliated with the environmental studies program. For additional important details, please visithttp://www.middlebury.edu/academics/es/requirements/seniorwork

## ENVS0112 Natural Science and the Environment (Fall 2016, Spring 2017)

We will explore in detail a series of current environmental issues in order to learn how principles of biology, chemistry, geology, and physics, as well as interdisciplinary scientific approaches, help us to identify and understand challenges to environmental sustainability. In lecture, we will examine global environmental issues, including climate change, water and energy resources, biodiversity and ecosystem services, human population growth, and world food production, as well as the application of science in forging effective, sustainable solutions. In the laboratory and field, we will explore local manifestations of global issues via experiential and hands-on approaches. 3 hrs. lect., 3 hrs. lab. **SCI** (Fall 2016: P. Ryan; Spring 2017: M. Costanza-Robinson)

## ENVS0120 Spatial Thinking with Geographic Information Systems (Fall 2016, Spring 2017)

This course applies spatial thinking (integrating spatial concepts, spatial representations, and spatial reasoning) using geographic information systems (computer systems for processing location-based data). Students will learn to frame and solve a sequence of applied problems with GIS across a wide range of topics, including environmental planning, biogeography and conservation biology, environmental justice, political geography, and urban geography. Fundamental concepts and methods of GIS will include raster and vector data structures and operations, geographic frameworks, error and uncertainty, and principles of cartographic design. (First semester first year students and second semester seniors by waiver) 3 hrs. lect./3 hrs. lab. **DED, SOC** (Fall 2016: J. Howarth; Spring 2017: L. Dreiss, J. Howarth)

## ENVS0209 Gender Health Environment (Spring 2017)

Growing concern for the protection of the environment and human health has led policy makers and scholars to consider ways in which gender, class, and race and other forms of identity mediate human-environment interactions. In this course we will explore how access to, control over, and distribution of resources influence environmental and health outcomes both in terms of social inequities and ecological decline. Specific issues we will cover include: ecofeminism, food security, population, gendered conservation, environmental toxins, climate change, food justice, and the green revolution. We will draw comparisons between different societies around the globe as well as look at dynamics between individuals within a society. The majority of case studies are drawn from Sub Saharan Africa and Asia, however some comparisons are also made with the United States. 3 hrs. lect. **AAL, CMP, SOC** (M. Baker-Medard)

# ENVS0210 Social Class and the Environment (Spring 2017)

In this course we will explore the consequence of growth, technological development, and the evolution of ecological sacrifice zones. Texts will serve as the theoretical framework for in-the-field investigations, classroom work, and real-world experience. The Struggle for Environmental Justice outlines resistance models; Shadow Cities provides lessons from the squatters movement; Ben Hewitt's The Town that Food Saved describes economy of scale solutions, and David Owen's The Conundrum challenges environmentalism. Texts will guide discussions, serve as lenses for in-the-field investigations, and the basis for writing. We will also travel to Hardwick and Putney, Vermont, to explore new economic-environmental models. (Not open to students who have taken ENVS/WRPR 1014) **NOR, SOC** (H. Vila)

# ENVS0211 Conservation & Env Policy (Fall 2016, Spring 2017)

## Fall 2016

**Conservation and Environmental Policy**
This course examines conservation and environmental policy in the United States. In order to better understand the current nature of the conservation and environmental policy process, we will begin by tracing the development of past ideas, institutions, and policies related to this policy arena. We will then focus on contemporary conservation and environmental politics and policy makingâgridlock in Congress, interest group pressure, the role of the courts and the president, and a move away from national policy makingâtoward the states, collaboration, and civil society. 3 hrs. lect./disc. **NOR, SOC** (C. Klyza)

## Spring 2017

**Conservation and Environmental Policy**
In this course we will examine conversation and environmental policy in the United States. We will begin by motivating the need for conservation and environmental policy and providing a brief history of environmental policy in the U.S. Next we will focus on the issue of local versus national control in governing environmental and conservation issues. We will then cover the process of policy design, implementation, and enforcement. Finally, we will explore benefit-cost analysis and the evaluation of public policies. The course will consist of lectures and classroom discussions related to the assigned readings and current environmental policy issues. 3 hrs. lect. **NOR, SOC** (M. Baker-Medard)

# ENVS0215 Contested Grounds: U.S. Cultures and Environments (Fall 2016, Spring 2017)

Throughout the history of the United States, Americans have created a complex set of meanings pertaining to the environments (wild, pastoral, urban, marine) in which they live. From European-Native contact to the present, Americansâ various identities, cultures, and beliefs about the bio-physical world have shaped the stories they tell about ânature,â stories that sometimes share common ground, but often create conflicting and contested understandings of human-environment relationships. In this course we will investigate these varied and contested

stories from multi-disciplinary perspectives in the humanitiesâhistory, literature, and religion--and will include attention to race, class, gender, and environmental justice. 3 hrs. lect./disc. **NOR** (Fall 2016: R. Gould; Spring 2017: D. Brayton)

## ENVS0240 The Science of Climate Change (Fall 2016)

In its 2013 report, the Intergovernmental Panel on Climate Change declared that "warming of the climate system is unequivocalâ and that "human influence on the climate system is clear.â Why do human activities affect climate? What future climatic changes can we expect, and what will be their impacts? Answers to these questions lie in processes that govern the flows of energy to and from Earth and its atmosphere, in changing atmospheric composition, and in cycling of materials among Earth, atmosphere, and oceans. In this course we will explore these processes and their implications for human-induced climate change, giving students solid grounding in climate science. We will also explore the latest IPCC report and other current literature, work with climate data, and develop simple climate models for exploring future scenarios. The climate-modeling workshop of ENVS 0240 qualifies it for the lab science requirement of the ENVS major. (MATH 0121 or waiver for high-school calculus) 3 hrs. lect. and workshop **DED, SCI** (R. Wolfson)

## ENVS0245 Human-Environment Relations: Middle East (Spring 2017)

In this course we will begin with an environmental history of Iraq, Syria, and Lebanon, asking such questions as: How does politics affect conservation practice? To what extent are formulations of nature constructed socially and politically? Whose rights are affected by protected areas and who decides governance criteria? The objectives of this course include providing students with an understanding of human-environment relations theory by addressing the regional specifics of modern environmental and social histories of these countries. We will look at animals, water, and forests in the literature of NGOs, UNEP reports, media, policy papers, and the academic literature. (One of the following: ENVS 0112, GEOG 0100, IGST 0101, SOAN 0103; Or by approval) 3 hrs. lect. **AAL, SOC** (R. Greeley)

## ENVS0277 Body and Earth (Spring 2017)

This course has been designed for students with an interest in the dialogue between the science of body and the science of place. Its goals are to enhance movement efficiency through experiential anatomy and to heighten participants' sensitivity to natural processes and forms in the Vermont bioregion. Weekly movement sessions, essays by nature writers, and writing assignments about place encourage synthesis of personal experience with factual information. Beyond the exams and formal writing assignments, members of the class will present a final research project and maintain an exploratory journal. 3 hrs. lect. 1 hr. lab. **ART, NOR, PE** (G. Forestieri)

## ENVS0385 Global Political Ecology (Fall 2016)

In this course we will draw on theories of social and political change to understand the systematic causes of inequality and environmental degradation around the world. Using a political ecology lens, we will look at both proximate as well as ultimate drivers of environmental conflict focusing on the relations between production and consumption, representation and

regulation, rights and responsibilities, and information and norms. We will compare the disproportionate distribution of environmental benefits and burdens across communities and nations. We will also study prospective solutions, focusing on the role of individuals and organizations in achieving these solutions. (ENVS 0211 or PSCI 0214) 3 hrs. sem. **CMP, SOC** (M. Baker-Medard)

# ENVS0395 Religion, Ethics, and the Environment ET (Spring 2017)

We will explore the relationship between religion and ecology through two general approaches. Firstly, we will examine what religious traditions (especially, Jewish and Christian, but also Hindu and Buddhist) have had to say about the human-nature relationship by studying such dominant themes as: doctrines of creation and stewardship, restraints on human impact, concepts of interdependence, and ideas of sacred space. Secondly, we will turn our attention to contemporary religiously-based environmental activism, examining the possibilities and problems that emerge when religious traditions are mobilized on behalf of the environment. Students may write research papers using one or both of these approaches. (RELI 0110 or RELI 0130 or RELI 0160 or RELI 0190 or RELI 0295 or ENVS 0215) 3 hrs. sem. **PHL** (R. Gould)

# ENVS0401 Environmental Studies Senior Seminar (Fall 2016, Spring 2017)

## Fall 2016

**Environmental Studies Senior Seminar**
A single environmental topic will be explored through reading, discussion, and individual research. Topics will vary from semester to semester, but will focus on issues with relevance to the local region and with interdisciplinary dimensions, such as temperate forests, lake ecosystems, or public lands policy. The class involves extensive reading, student-led discussions, and a collaborative research project. (Senior standing; ENVS 0112, ENVS 0211, ENVS 0215, and GEOG 0120) 3 hrs. sem./3 hrs. lab (M. Baker-Medard, D. Munroe)

## Spring 2017

**Environmental Studies Senior Seminar (Land)**
A single environmental topic will be explored through reading, discussion, and individual research. Topics will vary from semester to semester, but will focus on issues with relevance to the local region and with interdisciplinary dimensions, such as temperate forests, lake ecosystems, or public lands policy. The class involves extensive reading, student-led discussions, and a collaborative research project. Projects will focus on landscape scale planning and management for multiple values (e.g. biodiversity, water quality, and food production). (Senior standing; ENVS 0112, ENVS 0211, ENVS 0215, and GEOG 0120) 3 hrs. sem./3 hrs. lab (K. Morse, D. Munroe, M. Lapin)

# ENVS0444 The New West: From Reagan to Burning Man (Fall 2016)

The U.S. West since 1976 has been transformed by economic, social, political, and environmental

forces. Immigration, amenity tourism, climate change, globalization, technology, political change, and economic booms and busts have remade a region once defined by isolated rural communities, extractive industries, ânatural landscapes,â and filmmakersâ imaginations. In this course we will draw from history and politics to make sense of conflicts over public lands, water, fire, energy, Native sovereignty, racial inequality, rural gentrification, urbanization, and sprawl. Short papers will culminate in a historical policy brief on current challenges in the West. (ENVS 0211 or ENVS 0215 or HIST 0216) 3 hrs. sem. **NOR** (C. Klyza, K. Morse)

## ENVS0500 Independent Study (Fall 2016, Spring 2017)

In this course, students (non-seniors) carry out an independent research or creative project on a topic pertinent to the relationship between humans and the environment. The project, carried out under the supervision of a faculty member with related expertise who is appointed in or affiliated with the Environmental Studies Program, must involve a significant amount of independent research and analysis. The expectations and any associated final products will be defined in consultation with the faculty advisor. Students may enroll in ENVS 0500 no more than twice for a given project. (Approval only)

## ENVS0700 Senior Independent Study (Fall 2016, Spring 2017)

In this course, seniors complete an independent research or creative project on a topic pertinent to the relationship between humans and the environment. During the term prior to enrolling in ENVS 0700, a student must discuss and agree upon a project topic with a faculty advisor who is appointed in or affiliated with the Environmental Studies Program and submit a brief project proposal to the Director of Environmental Studies for Approval. The expectations and any associated final products will be defined in consultation with the faculty advisor. Students may enroll in ENVS 0700 as a one-term independent study OR up to twice as part of a multi-term project, including as a lead-up to ENVS 0701 (ES Senior Thesis). (Senior standing; Approval only)

## ENVS0701 Senior Thesis (Fall 2016, Spring 2017)

This course is the culminating term of a multi-term independent project, resulting in a senior thesis on a topic pertinent to the relationship between humans and the environment. Approval to enroll is contingent on successful completion of at least one term (and up to two) of ENVS 0700 and the approval of the studentâs thesis committee. The project, carried out under the supervision of a faculty advisor who is appointed in or affiliated with the Environmental Studies Program, will result in a substantial piece of scholarly work that will be presented to other ENVS faculty and students in a public forum and defended before the thesis committee. (Senior standing; ENVS major; ENVS 0112, ENVS 0211, ENVS 0215, GEOG 0120, and ENVS 0700; Approval only)

### Film & Media Culture

***Major Requirements*:** Students must complete ten courses to satisfy the requirements for a major in Film and Media Culture. Before declaring a Film and Media Culture major, the student must have completed or be currently enrolled in one of the basic core courses. Those courses are as follows:

***Basic Core Course Requirements:*** FMMC 0101 Aesthetics of the Moving Image; FMMC 0102 Film History; FMMC 0104 TV and American Culture; and one production course - either FMMC 0105 Sight and Sound or FMMC 0106 Writing for the Screen I. The basic core courses must be completed by the end of the junior year.
***Required Advanced Courses:*** One 0300 level course in theory -- FMMC 0354, FMMC 0355, FMMC/GSFS 0358, FMMC 0360, or another approved 0300 level course -- to be completed during junior year; and FMMC 0700 Film and Media Senior Tutorial.
***Electives:*** Four additional FMMC courses, with no more than two of these being a production or screenwriting courses. With the prior permission of a student's academic advisor, one winter term FMMC course may be counted as an elective. Students taking courses focused on film and media taught in a foreign language, either at Middlebury or abroad, may request major elective credit from the FMMC chair. Note that courses may not count toward both FMMC and another department's major or minor. Courses transferred from other institutions will *normally* count only as an elective toward the FMMC major, not to fulfill core requirements.
***Minor:*** Three required courses - FMMC 0101 Aesthetics of the Moving Image, FMMC 0102 Film History, FMMC 0104 TV and American Culture. In addition, minors must take three additional courses that are listed or cross-listed as FMMC. At least one of the three electives must be at the 0300 or 0400-level. Only one of the three electives may be from the production/screenwriting area.
***Joint Major:*** The joint major with FMMC is a combination of two disciplines, culminating in a joint senior project; the plan for joint majors is negotiated between the student and the two departments in which the joint program of study is pursued at the time of declaring the joint major. **The senior project** must combine aspects of both majors and in most cases will require approval, supervision, and evaluation from either departments or programs. The Film and Media Culture part of the joint major requires a minimum of seven courses, including the FMMC core requirements, FMMC 0700 Film and Media Senior Tutorial, and any courses required or appropriate prior to undertaking the joint senior project.FMMC supports concentrations in American Studies and Environmental Studies, as detailed on their respective pages.
***Honors:*** The faculty of Film and Media Culture will award honors to select students based on their overall excellence in film and media coursework with a minimum GPA of 3.7, and on the merit of their senior project.

## FMMC0101 Aesthetics of the Moving Image (Fall 2016, Spring 2017)

How do films convey meaning, generate emotions, and work as an art form? What aspects of film are shared by television and videogames? This course is designed to improve your ability to watch, reflect on, and write about moving images. The course will be grounded in the analysis of cinema (feature films, documentaries, avant-garde, and animation) with special focus on film style and storytelling techniques. Study will extend to new audio-visual media as well, and will be considered from formal, cultural, and theoretical perspectives. 3 hrs. lect./3 hrs. screen **ART** (Fall 2016: N. Dobreva; Spring 2017: L. Stein)

## FMMC0102 Film History (Fall 2016)

This course will survey the development of the cinema from 1895 to present. Our study will emphasize film as an evolving art, while bearing in mind the influence of technology, economic institutions, and the political and social contexts in which the films were produced and received. Screenings will include celebrated works from Hollywood and international cinema. 3 hrs. lect./3

hrs. screen **ART, HIS** (C. Keathley)

## FMMC0104 Television and American Culture (Spring 2017)

This course explores American life in the last six decades through an analysis of our central medium: television. Spanning a history of television from its origins in radio to its future in digital convergence, we will consider television's role in both reflecting and constituting American society through a variety of approaches. Our topical exploration will consider the economics of the television industry, television's role within American democracy, the formal attributes of a variety of television genres, television as a site of gender and racial identity formation, television's role in everyday life, and the medium's technological and social impacts. 2 hrs. lect./3 hrs. screen **NOR, SOC** (J. Mittell)

## FMMC0105 Sight and Sound I (Fall 2016, Spring 2017)

In this course students will gain a theoretical understanding of the ways moving images and sounds communicate, as well as practical experience creating time-based work. We will study examples of moving images as we use cameras, sound recorders, and non-linear editing software to produce our own series of short works. Emphasis will be placed on understanding the possibilities of the medium through experimentation, analysis, and detailed feedback while exploring different facets of cinematic communication. (FMMC 0101, or FMMC 0102, or approval of instructor) 3 hrs. lect./3 hrs. lab **ART** (N. Ngaiza)

## FMMC0106 Writing for the Screen I (Fall 2016)

In this course we will examine the fundamental elements of dramatic narrative as they relate to visual storytelling. We will emphasize the process of generating original story material and learning the craft of screenwriting, including topics such as story, outline, scene structure, subtext, character objectives, formatting standards, and narrative strategies. Weekly writing assignments will emphasize visual storytelling techniques, tone and atmosphere, character relationships, and dialogue. Students will be required to complete two short screenplays. Required readings will inform and accompany close study of selected screenplays and films. (FMMC 0101 OR CRWR 0170 or approval of instructor) (Formerly FMMC/ENAM 0106) 3 hrs. sem. **ART** (D. Miranda Hardy)

## FMMC0215 3D Computer Animation (Fall 2016)

3D computer animation has revolutionized animation, graphics, and special effects. In this course students will explore basic 3D modeling techniques, virtual material and texture creation, digital lighting, rendering, and animation. Every workshop will be hands on and fully immersed in this rapidly evolving technology. Students will leave with a strong conceptual understanding of the 3D graphics pipeline, a fundamental 3D skill set, options for further study, and an independent final animation project. 3 hrs. workshop **ART** (D. Houghton)

## FMMC0221 Sherlock Holmes Across Media (Spring 2017)

Sir Arthur Conan Doyle created Sherlock Holmes in 1886. Since then, the consulting detective

has continued to solve mysteries in literature, radio, film, television, and digital media. Indeed, Sherlock Holmes inspired what many think of as the earliest media fandom. Why has Sherlock Holmes remained such a fascinating figure for almost a century and a half? How have Holmes and his sidekick Watson (or Sherlock and John) transformed in their different iterations across media, culture, history, and nation? And what does it mean for contemporary television series *Elementary* and *Sherlock* to reimagine Sherlock Holmes for the digital age? (Not open to students who have taken FYSE 1457) **ART, EUR, LIT** (L. Stein)

## FMMC0244 International Cinema (Spring 2017)

**International Cinema: Art of Ellipsis**
In 1936, film critic Roger Leenhardt declared, âcinema is the art of ellipsis.â But this claim seems to contradict our most basic understanding of film. After all, movies are about what we see, not about what we donât. Or are they? In fact, Leenhardt was suggesting that the richest tradition in cinema explores the dynamic between the seen and the unseen, the shown and the unshown. In this course we will carefully study international films that effectively work this dynamic in terms of narrative, character, and most importantly, cinematic style. Films studied will include: Jean Renoirâs *Rules of the Game* (France, 1939); Christian Petzoldâs *Barbara* (Germany, 2012). Abbas Kiarostamiâs *Like Someone in Love* (France/Iran/Japan, 2012); Otto Premingerâs *Anatomy of a Murder* (US, 1959). 3 hrs. lect./3 hrs. screen **ART** (C. Keathley)

## FMMC0252 Authorship and Cinema (Fall 2016)

**Authorship & Cinema**
This course will be devoted to a study of four major international filmmakers with distinct and contrasting visual styles: Howard Hawks (USA), Robert Bresson (France), Michael Powell (England), and Yasujiro Ozu (Japan). We will screen several films by each director, giving careful attention to the ways that their distinctive stylistic approaches shape the thematic preoccupations that mark their films. Films screened will include: Only Angels Have Wings (1939) and His Girl Friday (1940) by Hawks; Diary of a Country Priest (1951) and A Man Escaped (1956) by Bresson; I Know Where Iâm Going! (1945) and Black Narcissus (1947) by Powell; There Was a Father (1942) and Tokyo Story (1953) by Ozu. (FMMC 0101 or FMMC 0102) **ART** (C. Keathley)

## FMMC0264 Indian Cinema: Romance, Nation, and Identity (Fall 2016)

In this course we will use the lens of romance to examine the world's largest film-making industry. Focusing primarily on Hindi cinema produced in Bombay/Mumbai, we will examine the narrative conventions, aesthetic devices (such as song-dance sequences), and other cinematic conventions that are unique to Indian films' narration of romance. Through a historical overview of films from the silent, colonial, and post-colonial eras into the contemporary era of globalization, we will track how the family is configured, the assignment of gender roles, and how national identity is allegorized through family romance. The course includes weekly screenings of films, which will be sub-titled in English. 3 hrs. lect. **AAL, ART, SOC** (S. Moorti)

## FMMC0267 Gender and Sexuality in Media (Fall 2016)

In this course, we will explore the intersecting roles played by gender and sexuality in our

media, focusing specifically on film, television, and digital culture. We will examine the multiple ways in which popular media texts construct and communicate gender and sexuality, and we will analyze the role of gender and sexuality in the processes of spectatorship and meaning-making. We will study a wide range of theories of gender and sexuality in media including feminist film theory, queer media theory, and literature on gender and sexuality in video game history and culture. 3 hrs. lect./3 hrs. screen. **SOC** (L. Stein)

## FMMC0276 Remix Culture (Fall 2016)

With the spread of digital technologies, remix has come to the forefront as a major form of artistic work and cultural and political commentary. In this course we will explore the history, cultural and legal impact, and creative logics of remix traditions. We will examine how digital technologies shape transformative creativity. Drawing on the work of theorists such as DJ Spooky and Lawrence Lessig, we will consider the creative and legal ramifications of remix logics. We will explore a range of remix works across media with a focus on video. Students will also produce remixes through individual and group work. 3 hrs. lecture/3 hrs. screening **ART, NOR, SOC** (L. Stein)

## FMMC0335 Sight and Sound II (Fall 2016)

In this course students will work in teams to produce several short films, having the opportunity to take turns at fulfilling all the essential crew positions: director, producer, cinematographer, production sound mixer, editor, and sound designer. We will emphasize thorough pre-production planning, scene design, cinematography, working with actors, and post production âincluding color correction and sound mixing. The critical dialogue established in FMMC 0105 Sight and Sound I will be extended and augmented with readings and screenings of outstanding independently produced work. Obtain application on FMMC website online and submit prior to the start of registration.(Approval-required; FMMC 0105). Obtain application from the FMMC website and submit prior to the start of registration. Priority given to FMMC majors. 3 hrs. lect./3 hrs. lab. **ART** (D. Miranda Hardy)

## FMMC0341 Writing for the Screen II (Spring 2017)

Building on the skills acquired in Writing for the Screen I, students will complete the first drafts of their feature-length screenplay. Class discussion will focus on feature screenplay structure and theme development using feature films and screenplays. Each participant in the class will practice pitching, writing coverage, and outlining, culminating in a draft of a feature length script. (Approval required, obtain application on the FMMC website and submit prior to spring registration) 3 hrs. sem/3 hrs. screen. **ART** (D. Miranda Hardy)

## FMMC0355 Theories of Popular Culture (Fall 2016)

This course introduces a range of theoretical approaches to study popular culture, exploring the intersection between everyday life, mass media, and broader political and historical contexts within the United States. We will consider key theoretical readings and approaches to studying culture, including ideology and hegemony theory, political economy, audience studies, subcultural analysis, the politics of taste, and cultural representations of identity. Using these theoretical tools, we will examine a range of popular media and sites of cultural expression, from television to toys, technology to music, to understand popular culture as a site of ongoing

political and social struggle. (Formerly AMST/FMMC 0275) (FMMC 0102 or FMMC 0104 or FMMC 0236 or AMST 0211) 3 hrs. lect./disc./3 hrs. screen. **SOC** (J. Mittell)

## FMMC0361 Movement and Media (Spring 2017)

In this course we will take an interdisciplinary look at the dynamic relationship between the body and digital media. Students will develop skills in basic film editing, real-time software manipulation, open-source media research, project design, and collaboration. We will address design history and theories of modern media through readings and multimedia sources. Process and research papers and work-in-progress showings will document ongoing collaborations that will culminate in an informal showing at the end of the semester. This course is open to students of all artistic backgrounds who are interested in significantly expanding their creative vocabularies and boundaries to include dance. (Approval required; DANC 0261 required for dance students) 3 hrs. lect./3 hrs. lab. **ART, PE** (G. Hardwig)

## FMMC0507 Advanced Independent work in Film and Media Culture (Fall 2016, Spring 2017)

Guidelines for submitting proposals are available on the Film & Media Culture web site along with a list of prerequisites.

## FMMC0700 Film and Media Senior Tutorial (Spring 2017)

All FMMC majors must complete this course, in which they undertake a critical essay, a screenplay, or a video. The following prerequisite courses are required: for a video project: FMMC 0105, FMMC 0335, FMMC/CRWR 0106; for a screenwriting project: FMMC 0105, FMMC/CRWR 0106, FMMC/CRWR 0341; for a research essay: demonstrated knowledge in the topic of the essay, as determined in consultation with the project advisor, and coursework relevant to the topic as available. (C. Keathley, D. Miranda Hardy)

### First Year Seminars

The following are goals that, by consensus of the Faculty, all First Year Seminars should provide students with the opportunity to achieve:

1. to learn what is expected intellectually and ethically for college-level work in the Liberal Arts;

2. to engage seriously with the topic to which ones seminar is devoted;

3. to develop skills in widely accessible yet scholarly presentation (written and oral), involving observation, analysis, argumentation, research, and the use of sources;

4. to become (with the help of advising) active in exploring academic and professional interests, and to find rewarding ways to participate in intellectual life in the Liberal Arts.

Different seminars may approach these goals in different ways, and individual seminar instructors may, at their discretion, add further goals. In accordance with Goal 1, seminars tend to emphasize academic and intellectual curiosity, generosity, integrity, honesty, and effort in written work, discussion, and oral presentation. Seminars may also stress, in their teaching of writing or in their approaches to their topics, the importance of diversity, personal responsibility,

and community to intellectual achievement.

In accordance with Goal 3, First Year Seminar students can expect to work on widely accessible analytical writing. Some seminars may assign other kinds of writing as well. Learning to write and speak in First Year Seminars is often not merely acquiring techniques or formulas of persuasive rhetoric, but rather learning about a particular topic, and how to discuss it accurately and compellingly, through writing and speaking. The topics of some seminars may be interdisciplinary, those of others representative of particular disciplines.

In accordance with Goal 4, First Year Seminar instructors (Middlebury College faculty members) also serve as academic advisors for students until the students select their majors (by the middle of the second year at Middlebury). We have found that no one is better equipped to fulfill the role of academic advisor to a new student than a professor who works closely with that student.

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learning goals

## FYSE1003 Science Fiction (Fall 2016)

Out-of-control scientific discovery, time travel, aliens, androids, corporate and political domination, reimaginings of race, gender, and sexuality--these and other themes have dominated science fiction over the last 250 years. We will try to understand the ways in which selected writers have seen the world we inhabit and have imagined alternatives to it. Texts and movies include: Mary Shelley, *Frankenstein*; H. G. Wells, *The Time Machine*; Isaac Asimov, *I, Robot*; Ursula Le Guin, *The Left Hand of Darkness*; and Ridley Scott, *Bladerunner*. **CW, LIT** (M. Newbury)

## FYSE1028 Identity and Difference (Fall 2016)

How do we use categories of identity and difference? How does culture determine how we perceive and perform gender and ethnic identity: male/female, gay/straight, East/West, black/white? We will look at constructions of gender and sexual identity in various cultures and consider how they intersect with national and ethnic identity. Literature and film will be our primary focus. We will read Euripidesâ *Bacchae*, Forsterâs *Passage to India*, and Hwangâs *Madame Butterfly* and view films like *Kiss of the Spiderwoman* and *Europa Europa* that problematize sexual and gender identity. 3 hrs. sem. **CMP, CW, SOC** (K. Moss)

## FYSE1123 Close Encounters with the Middle East (Fall 2016)

In the west, few other cultures have evoked such strong emotions or have been so widely misunderstood as the cultures of the Middle East. In this seminar, we will explore alternative understandings of the region by examining various types of historical and contemporary narratives. Rather than focus exclusively on political events and trajectories, we will investigate social and cultural experiences of peoples in the Middle East which have emerged through the intersection of history, identity, modernity, gender relations, and popular expression. This approach allows students to become familiar with the regionâs inhabitants and cultures, and to think beyond the static images commonly portrayed in todayâs media. In this seminar we will draw on various sources including film, media, literature, music, among others, and will interpret their ongoing significance in todayâs world. 3 hrs. sem. **AAL, CW, HIS** (F. Armanios)

## FYSE1133 Faith and Reason (Fall 2016)

In this seminar we will explore perennial and contemporary questions in the philosophy of religion: Is there a God? Are objective proofs of God possible, or is religious belief founded on subjective feelings? What is faith? The modern period has been a time of unprecedented crisis for religion, and we will focus in particular on these challenges and responses to them. Is religion, as Freud thought, just wish-fulfillment? Is religious belief compatible with science? Can any religion claim to be the true religion in a pluralistic world? Authors read will include St. Augustine, St. Anselm, Kant, Kierkegaard, James, Freud, and contemporary philosophers. 3 hrs. sem. **CW, PHL** (J. Spackman)

## FYSE1144 Jane Austen & Film (Fall 2016)

Why did a writer born over 200 years ago become a hot property in Hollywood? The explosion of film adaptations of Austen's novels has sent readers scurrying to Austen's six major works: *Sense and Sensibility*, *Pride and Prejudice*, *Mansfield Park*, *Emma*, *Northanger Abbey*, and *Persuasion*. We will study these novels and their film and video adaptations, while examining the differences between the language of film and the language of fiction, and while considering Austen's appeal to 21st century men and women. 3 hrs. sem. **CW, EUR, LIT** (M. Bertolini)

## FYSE1145 Voices Along the Way (Fall 2016)

In this seminarâdesigned for international as well as U.S. studentsâwe will examine American culture, as perceived both in the U.S. and abroad, through the lenses of gender, sexuality, race, class, and migration. Using literature and popular media, we will develop an understanding of the complexities and challenges in American culture, articulating them in inquiry-based writing and oral presentations, and learning how scholarly work has been integral to understanding them. 3 hrs. sem. **CW, NOR, SOC** (H. Vila)

## FYSE1153 Poems, Poets, Poetry (Spring 2017)

In this seminar, we will read a wide range of lyric and narrative poems and explore ways of responding to them, in discussion and in writing. We will contemplate the resources of language and expressive form and structure upon which poets variously depend and draw. We will ask such questions as: can a poem really be "analyzed " or "explicated", and what assumptions lie behind such an attempt? The aim of this seminar is to assist in making poetry accessible and enjoyable without diminishing its complexity or its challenge, and to encourage a sense of poems as companions for life. 3 hrs. sem. **CW, LIT** (D. Price)

## FYSE1167 Shakespeare's Characters (Spring 2017)

Shakespeareâs reputation owes much to his characters. Yet memorable as these are, they abound in inconsistencies. What did they mean in Shakespeareâs time, and how do they still succeed? What explains the charisma of Bottom, the idiot who cannot act, or the appeal of Shylock, the vicious stereotype of Jewishness? Othelloâs jealousy renders him a murderer, yet he elicits empathy; Desdemona is first assertive, then submissive. What do these contradictions mean? What do they tell us about attitudes towards race, gender, psychology, and theater in Shakespeareâs time and today? Addressing such questions, we will develop critical thinking and writing skills. Texts will include *A Midsummer Nightâs Dream*, *The Merchant of Venice*, *Othello*,

and contextual readings. 3 hrs. sem. **CW, EUR, LIT** (J. Berg)

## FYSE1184 The Journey Within: The Spiritual Pursuit in Literary and Mystical Traditions (Spring 2017)

A fundamental teaching of the worldâs religious traditions is that the source of love, the fulfillment of life, and the treasure of heaven are found within. With texts from antiquity to the present as our guides, we shall explore themes such as the concept of the soul, the discovery of a deeper self, the spiritual awakening, and the nature of the mystical experience. We shall consider questions related to religious and psychological experience such as: Where does the self reside? Why is it important to âknow thyselfâ? What is the state of consciousness described as enlightenment? How does one rise above the sorrows and struggles of the world? Finally, we shall try to understand how turning within does not mean fleeing from the world, but engaging in the world around us in a more profound and meaningful way. Readings will include works from the Upanishads, Plato, Marcus Aurelius, St. Teresa of Avila, Tolstoy, Emily Dickinson, Herman Hesse, and J.D. Salinger. 3 hrs. sem. **CMP, CW, PHL** (M. Hatjigeorgiou)

## FYSE1247 Everyday Life in South Africa, 1948-Present (Fall 2016)

In this seminar we will explore some of the social worlds of South Africans amid the country's recent decades of turbulent and dramatic change. We will look at how different groups within the nation's diverse population have understood and experienced the rise of the apartheid system, its demise, and its legacies in their "everyday" lives and interactions. We will draw from various sources - non-fiction, fiction, film, music, and other forms of popular culture - to interpret these social dynamics and their ongoing significance in a post-apartheid society. 3 hrs. sem. **AAL, CW, HIS** (J. Tropp)

## FYSE1294 Making History (Spring 2017)

History is âmadeâ as much by those who write about events as by those who cause and experience them. In this course we will focus on Alexander the Great to consider how people make past events meaningful for themselves in their own historical circumstances.Â  Using Paul Cohenâs *History in Three Keys: The Boxers as Event, Experience, and Myth*, we will consider how Alexander figures as an event, an experience, and a myth in the ancient world.Â  Authors including Arrian, Plutarch, and Curtius Rufus will allow us to study how Greeks and Romans explained and emulated Alexander. 3 hrs. sem. **CW, EUR, HIS** (J. Chaplin)

## FYSE1296 America's Constitutional Democracy (Fall 2016)

Americaâs constitutional democracy rests on a foundation of political theory, constitutional law, and historical experience. By examining the writings of John Locke, James Madison, Alexis de Tocqueville, Abraham Lincoln, Frederick Douglass, Susan B. Anthony, and many others, and by reading a series of key Supreme Court rulings, we will explore how Americans have grappled with key questions involving liberty, equality, representation, and commerce. 3 hrs. sem. **CW, NOR, SOC** (B. Johnson)

## FYSE1302 C.S. Lewis: Ecology, Philosophy, and Imagination (Fall 2016)

In this course we will explore the writings of C.S.Lewis, with an eye to how important philosophical and theological ideas evident in his non-fiction essays and books find expression in his major works of fantastic fiction: *The Chronicles of Narnia* and the *Ransom Trilogy*. Particular emphasis will be given to the implications of his views of nature and ecology (including ecological practices). We will focus on Lewisâs own writing, especially his fantasy novels, but will also read a small selection of writing about Lewis, such as Alan Jacobsâ *The Narnian*. 3 hrs. sem. **CW, LIT** (M. Dickerson)

## FYSE1312 Bocaccio's Decameron (Fall 2016)

The *Decameron* by the Italian writer Giovanni Boccaccio is a collection of stories ranging from the tragic to the comic, from the holy to the profane. In this seminar we will read Boccaccioâs short stories (*novelle*), discuss critical studies, analyze in depth the relationship of each novella to the whole work, and study the
*Decameron* using a variety of theoretical approaches. We will also compare the
*Decameron* with other famous collections such as Chaucerâs *Canterbury Tales* and the *Thousand and One Nights*. **CW, EUR, LIT** (S. Mula)

## FYSE1314 The Mathematical Gardner (Fall 2016)

In this course we will have an âorgy of right-brain tomfooleryâ as inspired by the writings of Martin Gardner. For several decades Gardner's contributions to *Scientific American*, in the form of his column âMathematical Games,â bridged the divide between professional mathematicians and the general public. He shared with us like no other, introducing or popularizing topics such as paper-folding, Hex, polyominoes, four-dimensional ticktacktoe, Conwayâs Game of Life, the Soma cube --- the list goes on seemingly forever. We will examine these mathematical curiosities for pure pleasure. 3 hrs. sem. **CW, DED** (J. Schmitt)

## FYSE1316 The Work of Art: Labor in Contemporary Literature and Visual Culture (Fall 2016)

In this seminar we will examine imaginative accounts of work and workers in recent literature, art, and film. Garment workers, miners, computer programmers, taxi drivers, teachers, and sex workers will take center stage as we consider the shifting meanings of paid and unpaid labor in contemporary culture. Class materials will consist of an international mix of novels, poems, photographs, performance pieces, theoretical texts, documentaries, and feature films. Topics to be considered include womenâs work, labor migrations, the rise of service work and other forms of âaffectiveâ labor, and the representation of the body at work. 3 hrs. sem. **ART, CMP, CW** (B. Graves)

## FYSE1343 The Migrant Experience (Spring 2017)

Migration is a powerful force shaping both individual identities and composition of communities. Some scholars have argued that mobility increasingly defines what it means to be modern. In this course, we will explore migration experiences through literary works ranging from *The*

*Grapes of Wrath* to *How the Garcia Girls Lost their Accents*. We will supplement these works of literature with selections of research articles from the social sciences that engage the questions and situations depicted in the works of fiction. Through readings, class discussions, and an array of writing assignments, we will gain a deep understanding of the migration experience as well as how scholars from different disciplines approach migration as an object of study. 3 hrs. sem. **CW, NOR, SOC** (P. Nelson)

## FYSE1344 Time Around A Table: A Culinary History of Italy (Fall 2016)

Food is a window into the culture and values of any society. In this seminar we will explore the history of Italian culture by investigating the ever-changing issues relating to food, through books, articles, films, recipes, and cooking. How did production and consumption change over time? What did the Ancient Romans eat? What was Italian cuisine like before pasta and tomatoes? What triggered the Italian appetite to change? Such questions allow us to examine what culinary choices reveal about todayâs Italy. 3 hrs. sem. **CW, EUR, HIS** (I. Brancoli Busdraghi)

## FYSE1345 The Art and Nature of Contemplation (Fall 2016)

What would it be like to attend to oneself, to others, and to the world with the concentration and insight of a Zen-inspired poet? How does a forest, a river, a neighborhood, or a city feel to an artist in open attentiveness to the immediate environment? This seminar invites students to experience contemplative knowing of self and surroundings through mindfulness meditation and through daily reflections in words, sketches or photographs. We will learn about the traditional origins of meditation and more recent uses of mindfulness for personal wellbeing. To give context to our own practice we will engage critically with essays, poems, art installations, and films that have arisen from contemplations of nature in ancient and modern times. Our study begins with Japanese poets Saigyo and Basho, the classic filmmaker Ozu, and the anime director Miyazaki. We then explore and compare meditative works by American and international writers and artists Annie Dillard, Andy Goldsworthy, and Maya Lin. We will conclude with the question of the relationship between mindfulness and social awareness in the works of Shigeru Ban. 3 hrs. sem/disc. **AAL, ART, CW** (C. Cavanaugh)

## FYSE1371 Virginia Woolf in Context (Fall 2016)

In this seminar we will focus on the novels, essays, and short stories of Virginia Woolf, considering them in the light of her social, political, and artistic contexts and commitments. We will explore in particular the tension in her work between Victorian values and aesthetics and the progressive goals of the modernist movement. Our readings will take us from the early novels (*Voyage Out*, *Night and Day*) to the later experimental works (*To the Lighthouse*, *Orlando*, *The Waves*). Some of the topics central to the seminar will be Woolfâs engagement with modernism and its key figures (such as James Joyce); her treatment of gender and sexuality in her essays and elsewhere; and her struggles with mental illness. We will intersperse our reading of Woolfâs prose with consideration of some film versions of her work, and we will conclude the seminar with a reading of Michael Cunninghamâs 1998 creative homage to *Mrs. Dalloway: The Hours*. **CW, EUR, LIT** (M. Wells)

## FYSE1376 Postwar Japanese History in Film and Literature (Fall 2016)

In this seminar we will study the history of postwar Japan (1945 to the present), focusing on how literature and film have engaged the defining historical and political questions of this period. The seminar is organized around
specific themes, including: trauma and war memory, the Allied occupation, the cold war in East Asia, high economic growth in the 1960s, political protest, post-coloniality, and a resurgent nationalism. Students will learn postwar Japanese history while also considering the possibilities of persuing historical analysis through translated literature and narrative film. 3 hrs. sem. **AAL, CW, HIS** (M. Ward)

## FYSE1382 The Wars Within: Causes and Consequences of Modern Civil Conflict (Fall 2016)

Why does civil war break out? How does a state return to a âcivil peaceâ? What role does the international community play, if any? In this seminar we will explore the cycle of civil war and civil peace through the lens of social science. We will consider the utility (or futility) of state-building efforts and debate the proper role of the international community following an extensive assessment of the effects outsiders have had on civil wars. Prominent cases include such conflicts as Somalia, Syria and the break up of Yugoslavia. **CMP, CW, SOC** (A. Yuen)

## FYSE1384 Reading the Book of Job (Fall 2016)

Why do the innocent suffer? Why do we want to believe that the world is âfairâ and âorderedâ? The Book of Job asked these questions millennia ago. Framed by a prose tale about the âpatience of Job,â with a happy ending, the core of the book is a debate in poetry, between an impatient Job and his âfriendsâ, with no satisfactory ending at all. We will study the book itself and its retellings and interpretations through novels, poetry, drama, philosophy and art, including works by Kafka, Camus, William Blake, Shakespeare, Voltaire, Kant, and Robert Frost. 3 hrs. sem. **CW, PHL** (R. Schine)

## FYSE1393 Introduction to Mindfulness (Fall 2016)

Basic sitting and walking meditation will be taught and practiced. We will use the breath to foster relaxed attention and to gain perspective on our restless minds. We will emphasize these techniques and learn how to use them in daily life and academic endeavors. We will read texts from the contemporary Tibetan and Zen Buddhist traditions, but the meditation will be employed in nonsectarian fashion applicable to any belief system. Truth should be verified by oneâs experience. Students will write papers, give presentations, and keep journals. 3 hrs. sem. **AAL, CW** (J. Huddleston)

## FYSE1398 Speechmakers' Studio (Fall 2016)

Our teachers will be great speeches wherever we find them: from Antiquity and the Elizabethan stage, to Hollywood, the Civil Rights Movement, and TEDTalks gone viral. We will explore various theories of oratory, and, like students of classical rhetoric, we will emulate masterworks in order to sharpen our own persuasive skills. As speakers, we will practice vocal and physical

techniques used by actors, as well as their methods for scene preparation. Throughout the semester, students will write and deliver speeches of their own, completing an immersion into speechmaking designed to help them communicate with precision, empathy, and personal conviction. 3hr. sem./disc. **ART, CW** (D. Yeaton)

## FYSE1405 Language and Social Justice (Fall 2016)

In this seminar we will explore questions: What is the relationship between language and power? How does linguistic prejudice contribute to social inequality? Is language a human right, and if so, what are the implications? We will engage with scholarly, journalistic, and artistic works, including writings by Julia Alvarez, James Baldwin, Deborah Cameron, Lisa Delpit, William Labov, Rosina Lippi-Green, Thomas Ricento, Richard Rodriguez, Amy Tan, and many others. Students will develop a range of reading, writing, and oral presentation skills, and will receive frequent feedback on their work throughout the semester. 3 hrs. sem. **CW, NOR, SOC** (S. Shapiro)

## FYSE1407 Gender and the Making of Space (Fall 2016)

In this seminar we will investigate the complex relationship between gender and architecture, examining how the design of the built environment (buildings, urban spaces, etc.) can reinforce or undermine ideas about the respective roles of women and men in society, from the creation of masculine and feminine spaces to the gendered nature of the architectural profession. By looking at both visual evidence and textual sources, we will also uncover how the social construction of gender roles and gendered spaces areâand continue to beâinflected by race, class, and sexuality. **CW, HIS, NOR** (E. Sassin)

## FYSE1413 Lyme Disease (Fall 2016)

Lyme disease is fascinating from medical, public health, and ecological perspectives. In this seminar we will explore the disease in an interdisciplinary fashion. We will look at the history ofâand controversy aroundâits diagnosis, treatment, and control. Because Lyme has a tick vector and animal reservoirs, we will consider how the local environment affects it. Connections to other zoonotic diseases (SARS, West Nile, EEE) will be made. Readings will come from *Bull's Eye: Unraveling the Medical Mystery of Lyme Disease* by Eldow, *Lyme Disease: The Ecology of a Complex System* by Ostfeld, and primary sources. 3 hrs. sem. **CW, SCI** (D. Allen)

## FYSE1417 True Lies: Espionage in Film and Fiction (Fall 2016)

We will study the depiction of fictional spies in literature (Ian Flemingâs Bond novels), film (*The Bourne Identity*), television shows (*Alias*, *Homeland*), and parodies (*Burn After Reading*) in an attempt to address the following questions: Why have narratives about spies and spying been so commercially successful since the mid-19th century? How has the genre changed to reflect the development of new technologies and major historical events (WWII, the Cold War, and the War on Terror)? How do ideas of gender and nationalism affect the depiction of the extraction of information in controversial ways, e.g., bribery, seduction, torture, and hacking? 3 hrs. sem. **ART, CW** (N. Dobreva)

## FYSE1438 Vermeer: Forgeries, Fictions & Films (Fall 2016)

Since his rediscovery in the 19th century, Dutch artist Johannes Vermeer has received sustained and enthusiastic praise for his refined paintings of everyday life in 17th-century Holland. In this course we will examine how Vermeerâs art and life have been evaluated from the 17th to the 21st century. We will not only contextualize Vermeer in his own time and place, but we will also consider how his work has elicited a range of responses in modern times, including forgeries, novels, and films. 3 hrs. sem. **ART, CW, EUR** (C. Anderson)

## FYSE1443 Plagues, Past and Present (Spring 2017)

In this seminar we will consider how infectious diseases emerge, why they persist, how they can be eradicated, and why some diseases believed to be âunder controlâ have returned. We will study pathogens and human biology with particular attention to how biological, behavioral, and social factors converge to support endemic and epidemic disease in people. Readings will include books, articles written for the layperson, and primary scientific literature that examine epidemic disease from the Middle Ages to the present, with predictions for the future. We will pay particular attention to the evolution of pathogens and new diseases within populations. 3 hrs. sem. **CW, SCI** (R. Cluss)

## FYSE1453 Karma (Fall 2016)

Why do things happen to us as they do? For many throughout Asia, the answer is or has been karma, the ancient Indian notion that over multiple lifetimes individuals reap the effects of past actions. We will examine this powerful idea of moral causality in depth, considering strikingly varied versions in classical Hinduism, Jainism, and Buddhism, and the wealth of practices believed to improve future lives (and ultimately lead to liberation). We will also investigate the diverse and surprising consequences of karma in some Asian societiesâincluding the justification of social hierarchy, the mistreatment of some groups, and the emergence of vegetarianismâas well as the role of karma in literature and film, especially in East Asia. 3 hrs. sem. **AAL, CW, PHL** (E. Morrison)

## FYSE1458 Pyramid Schemes, Bubbles, and Crashes (Fall 2016)

In this seminar we will study the anthropology of exchange, then use it to analyze ethnographies of financial speculators, labor migrants, microcredit borrowers, and other agents and victims of global capitalism. We will focus on conflicting obligations to kin and to creditors, on how people in different cultures and social classes juggle these obligations, and how the growth of financial debt can turn social relationships into commodities. Studying debt and how it is leveraged in different societies and historical eras will show why capitalism is so vulnerable to speculative booms, swindles, and collapses. 3 hrs. sem. ) **CMP, CW, SOC** (D. Stoll)

## FYSE1459 Money, Morals, and Madmen in Global Politics (Fall 2016)

Non-state actors bring resources (money), new norms (morals), and revisionist aims (madmen) to global governance. In this seminar we will look at how private actors, including corporations, non-governmental organizations, and terrorist groups, have shaped development and conflict around the world. Throughout, we will reflect on how these groups represent societal interests and work to improve or undermine state sovereignty and global governance. 3 hrs. sem. **CW, SOC** (S. Stroup)

## FYSE1461 Film Form, Film Meaning: Fellini and the Art of Cinema (Fall 2016)

In this seminar we will discover the hidden art of cinematic form. How do movies construct meaning? Why are they often so emotionally engaging? How is cinema related to the other arts (literature, painting, photography, music)? In the first half of the seminar we will analyze six films by Federico Felliniâone of Europeâs most famous auteur directors (La strada, La dolce vita, 8 1/2, among others). In the second half of the seminar, students will analyze films of their choosing (any film by any European director). Armed with the critical skills gained through analyzing Fellini, groups of students will then screen their films to the entire class, complete a major classroom presentation, and engage in original research. 3 hrs. sem. **ART, CW, EUR** (M. Van Order)

## FYSE1475 Make Space: Black Playwrights Creating, Claiming, Resisting, and Existing (Fall 2016)

This seminar makes space for Black playwrights.Â  We will begin our focus with August Wilson, who despite his critically acclaimed ten-play cycle chronicling the experience of African-Americans remains unknown to many students. We will explore the influence of the blues, artist Romare Bearden, and playwright/poet Amiri Baraka on August Wilsonâs work. We will alsoÂ study playwrights Dominique Morisseau, Susan Lori-Parks, and Katori Hall. We will utilize Critical Race Theory as an analytical tool for understanding the significance of these plays in the larger tapestry of race relations and in understanding conceptions of resistance and representation.Â 3 hrs. sem. **CW, LIT, NOR** (T. Affolter)

## FYSE1476 Homo Economicus (Fall 2016)

âIt is not from the benevolence of the butcher, the brewer, or the baker that we expect our dinner, but from their regard to their own interest,â states Adam Smith, the âfatherâ of economics. We will explore the power and limitations of models of human behavior that posit self-interest as universal motivation. What about seemingly irrational choices? Do we need new economic models to explain philanthropy or procrastination? To explore Â these questions, we will study works by early economists like Smith, current works on behavioral economics, writings by Steven Levitt, author of *Freakonomics*, and Nate Silverâs writings about data analysis. 3 hrs. sem. SOC (T. Byker) **CW, SOC** (T. Byker)

## FYSE1477 Anti-Heroes (Fall 2016)

How do works of literature persuade us to undertake the difficult work of opening our closed minds, softening our hard hearts, and questioning our deepest unexamined assumptions? Sometimes by presenting us with protagonists whose flaws seem to far outnumber their virtues,

and who resemble people we have been taught to avoid and disdain in our actual lives. Keeping our eyes open as we begin to empathize with various monsters, failures, and lunatics, we will engage fundamental questions concerning literatureâs persuasive techniques, psychological effects, and social responsibilities. Our syllabus will include novels, poems, and plays from the Elizabethan era to the present day. 3 hrs. sem. **CW, LIT** (A. Baldridge)

## FYSE1478 American Identity, Jewish Literature, and Vice Versa (Fall 2016)

In this seminar we will look at imaginative representations of and by Jews in (mostly) American and (some) European literatures, with the goal of understanding, as broadly and intensely as possible, both the necessities and difficulties involved in writing about hyphenated identity -- any hyphenated identity. Readings will include works by Kafka, Isaac Babel, Bruno Schultz, Henry Roth, IB Singer, Saul Bellow, Philip Roth, Cynthia Ozick, Grace Paley, Art Spiegelman, and many others. 3 hrs. sem. **CW, LIT** (R. Cohen)

## FYSE1479 Poetry and Poetics (Fall 2016)

This seminar is an introduction to the formal and generic aspects of lyric poetry in English. We will work to develop sensitivity to the various strategies of meaning available to poetsâmeter, rhyme, sound, diction, imageryâin order to read poems more closely, thoughtfully, and with pleasure. We will also attend to the historical, cultural, and biographical contexts of poems and poets, but our emphasis will be on lyric poems by a variety of poets from a range of periods and traditions. This is a literature, rather than a creative writing, course; but student poets are welcome to join. 3 hrs. sem. **CW, LIT** (B. Millier)

## FYSE1480 The Geologic Origins of Energy (Fall 2016)

In this seminar we will seek to improve our understanding of where energy comes from and how it is converted into forms useful to humankind. Specifically, we will explore the origins of nuclear, geothermal, fossil fuel, wind, and solar energy and understand how they relate to Earthâs geologic systems and its climate. To explore the social implications of problems involving energy, we will learn basic scientific concepts and compare our findings with information disseminated in the popular media. We will also take several short field trips to observe and experience some of the geologic phenomena we discuss. 3 hrs. sem. **CW, SCI** (W. Amidon)

## FYSE1481 Graphic Novels: How They Work and What Theyâre For (Fall 2016)

Graphic novelsâsequential art, comics in the last ten years, extended works combining words and pictures have exploded in popularity and reach. In this course we will examine what the graphic novel can do that other media cannot. Using Scott McCloudâs *Understanding Comics* and Will Eisnerâs *Comics and Sequential Arts* as critical foundations, we will explore a variety of graphic texts, discovering the underlying grammar and structure of the form, and surveying the uses to which the form has been and can be put, from the disclosure of the intensely personal to the chronicling of major world events. 3 hrs. sem. **CW, LIT** (K. Kite)

## FYSE1482 Marx and Marxism (Fall 2016)

Is Marxism still relevant in a world that has witnessed the collapse of most self-declared Marxist states? To address this question, we will explore the development of central Marxist concepts (including class struggle, alienation, revolution) both in Marxâs own words and in the writings and actions of those he inspired. Central to our inquiry will be consideration of the historical relationship between Marxist theory and practice (in a range of geographic and cultural contexts) and the adaptation of Marxist ideas for cultural and political critiques in the West. 3 hrs. sem. **CMP, CW, HIS** (R. Mitchell)

## FYSE1483 The Magic of Numbers (Fall 2016)

Number theoryâthe study of patterns, symmetries, properties, and the power of numbersâhas caught the popular imagination. Youngsters and adults have toyed with numbers, looked for patterns, and played games with numbers throughout millennia. A characteristic of number theory is that many of its problems are very easy to state. In fact, many of these problems can be understood by high school mathematics students. The beauty of these problems is that modern mathematics flows from their study. Students will experiment with numbers to discover patterns, make conjectures and prove (or disprove) these conjectures. 3 hrs. sem. **CW, DED** (D. Dorman)

## FYSE1484 World Musical Instruments (Fall 2016)

Every culture has musical instruments, and we admire musicians who play them well. Yet, musical instruments can tell us a lot more about a society if we have the tools to analyze their sounds, morphologies, functions, classifications, playing techniques, and scales or tuning systems. In this seminar we will develop critical skills for analyzing these elements through a selection of world musical instruments. We will also have the opportunity to construct musical instruments out of recycled materials. Course activities will include intensive reading, writing, discussions, research, oral presentations, and hands-on activities. No prior musical background is required. 3 hrs. sem. **ART, CMP, CW** (D. Kafumbe)

## FYSE1485 Vaccines: History, Science, Society (Fall 2016)

In this seminar we will examine vaccines and vaccination programs from the perspective of anthropology. First, we will delve into the history of vaccination, from practices in Asia and Africa dating back to the 10th century, to Cotton Matherâs experiments with smallpox inoculation in Colonial Boston, to the development of modern vaccines. Next, weâll look at global attempts to control diseases using vaccines, from the successful Smallpox Eradication Program to current projects targeting polio and measles. We will use this material to examine the science, politics, and culture of vaccination programs, and to investigate why some people refuse vaccination. 3 hrs. sem. **CMP, CW, SOC** (S. Closser)

## FYSE1486 Batman Narratives (Fall 2016)

In this seminar we will study Batman comics, animation, live action films, and videogames from different time periods in order to understand how this American character has become one of the most influential icons of contemporary popular culture in almost every medium. Through theories of adaptation, pastiche, and parody, we will explore how Batman narratives reflect the development of nationalism in the U.S., and mainstream perceptions of race, gender, and class

throughout the 20th and 21st centuries. Texts will includeÂ *The Killing Joke*,Â *The Dark Knight Returns*, Christopher NolanâsÂ *Dark Knight*Â trilogy, theÂ *Arkham*Â videogame series, and others. 3 hrs. sem. **CW, LIT, NOR** (E. Garcia)

## FYSE1488 Pavilions, Serpents, and High Cs: European and Asian Opera (Fall 2016)

Opera is often regarded as one of the highest forms of dramatic art, a product of the creative collaboration between composer and librettist, cultural idiom, and dramatic narrative. When Mozart, Monteverdi, Puccini, and Asian composers came together with their librettist counterparts, provocative operas came into being. In this seminar we will study operatic ventures from the early baroque and Mozart, to traditional music theater pieces from China and Southeast Asia. We will delve into issues of prosody and word painting through analysis. We will also engage in discussions, research, and creative projects in the form of song writing, to explore how opera comes about and its place in our culture. (Ability to read music and perform an instrument or voice recommended). 3 hrs. sem. **ART, CMP, CW** (S. Tan)

## FYSE1489 Memory Matters (Spring 2017)

In this seminar we will look at Holocaust memory cultures that have evolved in the U.S. and Germany and at the processes that have shaped our collective imaginations of the Shoah across time, space, and genres. Students will develop critical awareness of the power of stories and the importance of memory work in all of our lives. They will also reflect on their own roles in the transmission of memory and the formation of collective and national memory cultures. We will examine documentary and feature films, read survivors' testimonies and fictional accounts, comics, poetry, theoretical and historical reflections, and examine monuments, counter-monuments, and commemorative sites. 3 hrs. sem. **CMP, CW, LIT** (N. Eppelsheimer)

## FYSE1490 Unplanned Parenthood (Spring 2017)

In this course we will address a public health puzzle: Why is it that, in an age of safe and effective contraception, roughly half of all pregnancies in the U.S. are unintended? We will advise a large reproductive healthcare organization that is designing a new project to reduce unintended pregnancy in New England. Students will study the causes and consequences of unintended pregnancy, consulting existing secondary sources and also conducting a statistical analysis of rich primary data. Our ultimate product will be a set of recommended interventions for the organization to consider. No prior statistical experience is required or assumed. **CW, SOC** (C. Myers)

### French

***Required for the Major in French***: Total of no fewer than 10 courses. All courses for the major must be taught in French.

**I.**Two introductory-level courses in literature and methodology: FREN 0210, FREN 0221, or specified courses in France (Paris, Poitiers, Bordeaux), or Cameroon; or equivalent in the Middlebury summer French School when offered.
**II.**One course in contemporary French or Francophone studies (literature, politics, film, anthropology, etc.): FREN 0230, courses on contemporary France, or specified French or

Francophone studies in France (Paris, Poitiers, Bordeaux), or Cameroon; or equivalent in the Middlebury summer French School when offered.
**III.**One course on the history of France or a Francophone region or country.
**IV.**Three advanced courses in French or Francophone studies (FREN 0300 level).
**V.** One unit of senior work, usually a senior seminar (FREN 0400 level. Honors candidates may fulfill the senior work requirement by writing an Honors essay (FREN 0700) or Honors thesis (FREN 0701).

During their senior year, majors must take at least one advanced course (Category IV) in French at Middlebury in addition to the senior seminar.

Other courses counting for the major include:

(1) At the Vermont campus: FREN 0205, FREN 0255, among others; certain advanced courses offered during the winter term (with permission of the chair); certain summer courses at the 0300 (intermediate) or 0400 (advanced) level; and,

(2) In France and Cameroon: language and linguistics courses; comparative literature (with a major French or Francophone component); French or Francophone arts, theatre, cinema, television, or politics.

All majors study abroad for a semester or a year in a French-speaking country. The year program carries nine units of credit; the semester program carries four or five units of credit. In order to ensure that students are exposed to a variety of disciplines, no more than five units (full-year program) or three units (semester program) may be counted toward a Middlebury French major. Most courses in France will be at the advanced level.
The French Department does not offer a joint major.

***Required for a Minor in French***: Minimum of five courses, FREN 0205 and above, including at least two introductory courses (FREN 0210, FREN 0221, FREN 0230) and at least one course at the advanced level (Category IV). The minor may include courses taken at the School in France (maximum of two from the semester program, three from the full-year program).

Students with a College Board AP score of 4 or 5 will receive one unit of credit toward graduation if the first course successfully completed at Middlebury is FREN 0210 or above in accordance with placement and departmental advising. AP credits may not be counted toward the major or minor.

***Senior Work***: Upon completing at least two 0300-level courses in French or Francophone studies, majors are required to complete senior work consisting of a significant research paper in the context of a senior seminar (0400-level).

***Honors***: Exceptional students with a grade point average in French of 3.8 or higher may petition the department to pursue an independent project for honors in French. Candidates for honors may propose a one-semester senior honors essay (FREN 0700) or a senior honors thesis (FREN 0701, one semester and winter term). Eligible students should consult the departmental guidelines and present their proposals well in advance of registration for the term in which the work is to be started. The department will determine whether to award honors, high honors, or highest honors on the basis of a student's work in the department and performance on the senior honors project.
***International and Global Studies Major with French Language***: Along with other required courses and senior work as described in the International and Global Studies Major section, completion of the French language component requires: (1) proficiency in French (a minimum of

two of FREN 0210, 0221, 0230, or work in the French summer school at the 0300 level or above); (2) at least one semester, and preferably a year, at the Middlebury College School in France, or in Cameroon, or in another French-speaking country; and (3) one or more courses at the 0300 or 0400-level upon return from abroad.

***International and Global Studies Major, European Studies Track***:
[For Classes of 2015.5 and 2016 only. New rules, available in the International and Global Studies section, apply to the Class of 2017]
(1) Language proficiency: see above; (2) regional specialization: choose from FREN 0230 and courses at the 0300-level, or others (Vermont campus), in consultation with the track director; courses in French or Francophone studies at Middlebury in France or in another French-speaking country; (3) disciplinary specialization: two courses from FREN 0210, 0221, 0230; three advanced French or Francophone studies courses at Middlebury or one of the Middlebury Schools in France; (4) at least one semester, and preferably a year, at the Middlebury College School in France or in another French-speaking country; and (5) one or more courses at the 0300 or 0400 level, or senior independent work in French, upon return from abroad.

**Study Abroad in France and in Cameroon:** Middlebury offers both year and semester abroad programs in France (Paris, Poitiers and Bordeaux) and in Cameroon. Students planning to study in France or Cameroon must have completed two full years of college credit by the time they undertake their study abroad; they must have successfully completed at least one course beyond FREN 0210 (either FREN 0221 or FREN 0230) by the time they arrive abroad; and they must have an average in French of at least B. We expect all applicants to demonstrate their commitment to French and maintain their fluency by continuous study of French from the time of their enrollment at Middlebury and to maintain their academic level if they are accepted to study abroad. They are required to take a French course in the semester before study abroad. Students may count three courses from the semester program, five from the full year program toward a major in French; two courses from the semester program and three from the full year program toward a minor in French.

It should be noted that while students wishing to attend one of our programs in France or in Cameroon must demonstrate a level of proficiency in the language that will allow them to function successfully in the French or Cameroonian university setting, they need not be French majors: the C.V. Starr-Middlebury School in France (Paris, Poitiers, and Bordeaux) offers students the opportunity to take courses in history, history of art, economics, cinema, political science, psychology, sociology, studio art, the natural sciences, and the environment, among other disciplines, in addition to courses in languages and literature. Students interested in studying abroad should speak to someone in the Office of International Programs & Off-Campus Study, Sunderland Language Center, well in advance of applying. They will need to seek prior approval of School in France and School in Cameroon courses from the appropriate department chairs if they wish course work to count toward a specific minor or major. The Office of Off-Campus Study will provide information about the program and application forms.

# FREN0101 Intensive Beginning French (Fall 2016)

For students who have not previously studied French, an introduction to listening, speaking, reading, and writing in French, providing the syntactic and semantic foundation of the French language in a concentrated program of grammar presentation, drills, laboratory work, and discussion. Primary emphasis will be placed on the student's active use of the language, and weekly attendance at the French language table will be required. This course does not fulfill the foreign language distribution requirement. Students are expected to continue with FREN 0102

in the winter term after successfully completing FREN 0101, and with FREN 0201in the spring. 6 hrs. lect./disc. (J. Weber, W. Poulin-Deltour)

## FREN0105 Accelerated Beginning French (Spring 2017)

This intensive course is a condensation of FREN 0101 and 0102 for students who have never before studied French. We will focus on the development of all four communicative skills in an immersion-style environment. Primary emphasis will be placed on increased oral proficiency through audiovisual, conversational, and drill methods. Upon successful completion of this course students will be prepared for second-year French in the fall. Weekly attendance at the French language table will be required. 6 hrs. lect./disc./1 hr. drill (A. Crouzieres-Ingenthron)

## FREN0201 Beginning French (Spring 2017)

Emphasis on increased control and proficiency in the language through audiovisual, conversational, and drill methods. Readings and film enlarge the student's view of French life and culture. (FREN 0102 or by placement) 5 hrs. lect./disc. **LNG** (B. Humbert, A. Crouzieres-Ingenthron)

## FREN0203 Intermediate French II (Fall 2016)

An active and intensive review of French grammar for students having had good beginning-level training in French. We will work not only to perfect mastery of the structures of the language with practice of writing and reading, but also to develop oral comprehension and production skills. (FREN 0103 or FREN 0105 or placement) 5 hrs. lect./disc. **LNG** (A. Crouzieres-Ingenthron, C. Nunley)

## FREN0205 Toward Liberated Expression (Fall 2016, Spring 2017)

A course designed to increase and perfect the ability to express oneself in spoken and written French. Emphasis on precision, variety, and vocabulary acquisition. Sections limited to 15 students. (FREN 0203 or placement) This requirement for the major and the minor may be satisfied by placement at a higher level. 3 hrs. lect./disc. **LNG** (Fall 2016: M. Barbaud-McWilliams, B. Humbert; Spring 2017: J. Weber, C. Nunley)

## FREN0210 Identity in French Literature (Fall 2016, Spring 2017)

Exploration of differing views of the self, society, and the world in major works of French poetry, drama, and prose. This course is designed to develop students' ability to read and critique literature in French, as a transition from FREN 0205 to more advanced literature courses. (FREN 0205 or by placement) 3 hrs. lect./disc. **EUR, LIT, LNG** (Fall 2016: M. Barbaud-McWilliams; Spring 2017: C. Nunley, J. Weber)

## FREN0221 From Romanticism to Modernism (Fall 2016, Spring 2017)

The 19th and 20th centuries were marked by social and political revolutions and by literary and artistic movements that changed our attitudes to art and to ourselves, including romanticism, realism, symbolism, surrealism, and existentialism. We will study literary texts, artistic and philosophical movements, and the social circumstances that conditioned them. Close readings of the texts (including prose, drama, and poetry) will develop critical vocabulary and writing skills. Authors may include Hugo, Balzac, Flaubert, Baudelaire, Gide, Camus, Sartre, and Francophone writers. (FREN 0210 or placement) 3 hrs. lect./disc. **EUR, LIT, LNG** (Fall 2016: C. Nunley, B. Humbert; Spring 2017: M. Barbaud-McWilliams)

## FREN0230 Introduction to Contemporary France (Fall 2016, Spring 2017)

In this interdisciplinary course we will examine the evolving social and political landscape of France in the 21st century. How is French society reconciling contemporary challenges with deeply entrenched institutions and values? How does everyday life reflect the evolution of long-term trends? How are immigration, growing inequalities, and membership in the European Union challenging French identity and the notion of âFrenchnessâ? We will focus our attention on demography and the family, the educational system, politics, and the French social model or welfare state. Emphasis will be on oral expression and the acquisition of specialized vocabulary. Sources will include articles from the French and American press, documents, and film. This course is recommended for all students planning to study in France. (FREN 0210 or FREN 0221; open to first-semester first-year students with permission.) **EUR, LNG, SOC** (W. Poulin-Deltour)

## FREN0316 Animal Encounters in French Literature (Fall 2016)

In this course we will explore representations of animals in French literature. Animals have played an important role in literature, yet, in post-Darwinian modernity their depiction became increasingly tied to a questioning of the human/animal divide. What are the recurrent motifs and concerns that shape depictions of animals in 19th and 20th century French literature? What ethical and social questions do they raise? We will study fictional works of animal metamorphosis, and literary accounts of zoos and animal spectacles, as well as ways in which animals have been used as a rhetorical device to de-humanize "Others"âwomen and foreigners, in particular. We will read texts by Baudelaire, Balzac, Maupassant, Flaubert, Colette, Vercors, and Darrieussecq. (FREN 0221 or by waiver). 3 hrs. lect./disc. **EUR, LIT, LNG** (J. Weber)

## FREN0342 French Films and Their American Remakes (Spring 2017)

By reading reviews and articles, by examining variations in structure, techniques, plot, and audience expectations, we will pinpoint the cultural differences that shape French and American versions of the same story. In some cases, we may extend our comparison to the novel/story that inspired the original French film. We will cover different genres such as comedy, historical film, drama, etc. our study may include the following films and their counterparts: Trois hommes et un couffin (Three Men and a Baby), Le Retour de Martin Guerre (Sommersby), Les Diaboliques (Diabolique). (FREN 0221 or 0230 or by waiver). 3 hrs. lect./disc., 2 hrs. screening. **ART, LNG** (B. Humbert)

## FREN0348 France: A Multicultural Society? (Spring 2017)

The debates over "national identity" and the "niqab affair" (2009-2010) demonstrated once again just how controversial the notion of cultural pluralism remains in France. Using an historical and sociological approach, we will examine the sources of French unease over such public displays of "private" difference. We will explore France's colonial past and immigration; different forms of socio-political mobilization around ethnic, religious, and sexual "identities"; measures adopted by the French to combat ethno-racial discrimination. Sources will include sociological texts, articles from French press, websites, and films. (FREN 0221 or FREN 0230 or by waiver). 3 hrs. lect./disc. **EUR, LNG, SOC** (W. Poulin-Deltour)

## FREN0351 Presidents of the Fifth Republic (Fall 2016)

In this course we will examine presidential power in France's Fifth Republic, introduced in 1958. We will study the seven presidents of the Fifth Republic - Charles de Gaulle, Georges Pompidou, ValÃ©ry Giscard d'Estaing, FranÃ§ois Mitterrand, Jacques Chirac, Nicolas Sarkozy, and the current president FranÃ§ois Hollande - through memoirs, speeches, research monographs, journal articles, and biographies. We will focus on the content of their domestic and foreign policies as well as their leadership strategies and visions for France in a comparative perspective. (This course will be taught in French; FREN 0230 or by waiver). 3 hrs. lect./disc. and film screenings. **EUR, LNG, SOC** (O. Eglene)

## FREN0378 Hugo: Man of His Century (Spring 2017)

In this senior seminar we will explore the 19th century through the work of Victor Hugo. His identification with his time is a natural starting point to study the interface of society, literature, and art. We will read two novels, two plays, numerous poems, 19th century newspapers, and Hugoâs theoretical essays. Students will choose to research one of Hugoâs many dimensions (poetry, novels, plays, drawings), or deepen their knowledge of a specific period of the century through Hugoâs political commitment. (FREN 0221 or by waiver) 3 hrs. lect./disc. **EUR, LIT, LNG** (M. Barbaud-McWilliams)

## FREN0396 Francophone Fiction (Fall 2016)

(Re)Constructing Identities: Francophone Colonial and Postcolonial Fiction*
This course will focus on major works written in French by writers from North Africa, sub-Saharan Africa, and the Caribbean. We will explore the complex (re)construction of identities through fiction writing as it evolves from traditional folktale to political criticism, and as it shifts from colonial alienation to post-colonial disillusionment. We will also examine the emergence of cultural blending or mÃ©tissage. (FREN 0221 or by waiver) 3 hrs. lect./disc. **AAL, CMP, LIT, LNG** (A. Crouzieres-Ingenthron)

## FREN0448 Senior Seminar: France: A Multicultural Society? (Spring 2017)

The "headscarf" affair of 2003 demonstrated once again just how controversial the notion of cultural pluralism remains in France. Using an historical and sociological approach, we will examine the sources of French unease over such public displays of "private" difference. Topics

will include: France's colonial past and immigration; different forms of socio-political mobilization around ethnic and religious "identities" in France; measures adopted by the French to combat ethnico-racial discrimination. Sources will include sociological texts, articles from French press, websites, films. This seminar will include an important research component. (Open to French Senior Majors, other students by waiver). 3 hrs. lect./disc. **EUR, LNG, SOC** (W. Poulin-Deltour)

# FREN0500 Independent Project (Fall 2016, Spring 2017)

Qualified students may be permitted to undertake a special project in reading and research under the direction of a member of the department. Students should seek an advisor and submit a proposal to the department well in advance of registration for the term in which the work is to be undertaken. (Approval required)

# FREN0700 Senior Honors Essay (Fall 2016, Spring 2017)

(Approval required).

# FREN0701 Senior Honors Thesis (Fall 2016, Spring 2017)

Qualified senior majors who wish to be considered for Honors in French must submit a proposal well in advance of registration for the term in which the work is to be undertaken. (Approval required; see requirements above.)

### Program in Gender, Sexuality and Feminist Studies

The major requires a minimum of ten courses and comprises several discrete aspects, as outlined below. Some of the courses can be double-counted if they fulfill different requirements within the major.

Major requirements (10 courses):

- SOAN/GSFS 0191
- One introductory course from the humanities, such as GSFS 0102, or GSFS 0234, or approved by the director
- GSFS 0200
- GSFS 0320
- Two courses to fulfill the Breadth Requirements (explained below)
- Three electives bearing the GSFS prefix, one of which must be at the 0300-level or higher and one that must be at the 0400-level or higher
- Senior Work (one-semester senior essay or multi-semester thesis)

Joint Major: The joint major is comprised of 7 courses each in the two disciplines. For GSFS, the requirement includes:

- SOAN/GSFS 0191
- GSFS 0200
- GSFS 0320
- Breadth requirement 1
- Breadth requirement 2
- One elective

- Senior Work

Breadth Requirements(two courses): To ensure that students are conversant with and have some in-depth knowledge of the key concerns animating the field, they must take at least one course each from two of three breadth requirements. Courses meeting the breadth requirement can be found on the Gender, Sexuality, and Feminist Studies webpage.

- Intersectionality/Critical Race
- Critical Sexuality Studies
- Gender in National/Transnational Contexts

Senior Work: Majors are required to complete an independent project that applies feminist theory and methodology. The project may be either a one-semester senior essay or other creative work (GSFS 0700), or a multi-semester senior thesis (GSFS 0710).

Minor Requirements: The minor comprises five courses including:

- one introductory course from among SOAN/GSFS 0191, ENAM/GSFS 0102, or PHIL/GSFS 0234
- GSFS 0200
- GSFS 0320
- two electives bearing the GSFS prefix

## GSFS0180 Critical Studies of Sport (Fall 2016)

Sports offer important contexts for the study of social relations, inequalities, and differences in North America. Sports exist as an important arena where ideas around class, gender, sexuality, race, ability, and status are embodied and performed. In this course we will discuss the significance of sports to ideas of the self as well as in broader cultural, social, economic, and political realms. We will analyze a variety of issues including the relationship of sports to media, celebrity, money, religion, and education. We will also investigate the significance of sports and athletes to contemporary processes of globalization. (Not open to students who have taken AMST 1003). **NOR, SOC** (R. Joo)

## GSFS0189 Introduction to Queer Critique (Fall 2016, Spring 2017)

In this course we will examine what is meant by queer critique through exploring the concepts, issues, and debates central to queer theory and activism both in the U.S. and around the world. We will work to understand how queerness overlaps with and is distinct from other articulations of marginalized sexual subjectivity. We will consider how desires, identities, bodies, and experiences are constructed and represented, assessing the ways in which queer theory allows us to examine sexuality and its raced, classed, gendered, geographic, and (dis)abled dimensions. Through engaged projects, we will practice how to translate and produce queer critique. 3 hrs. lect./disc. **CMP, NOR, SOC** (C. Thomsen)

## GSFS0191 Introduction to Sociology of Gender (Fall 2016)

What is gender and what would a sociology of it look like? When did gender become a category of inquiry and more importantly why? We will look at how the meaning and performance of

gender changed over time, from Classical Greece to Victorian England, to the contemporary U.S. We will also look at how gender changes depending on oneâs position in social space, e.g. oneâs race, class, sexuality, and nationality. Finally, we will consider how the need to look at gender is the result of a variety of discourses, from psychoanalysis to capitalism to movements of liberation such as feminism. 3 hrs. lect. **CMP, SOC** (L. Essig)

## GSFS0200 Foundations in Gender, Sexuality & Feminist Studies (Fall 2016)

This course provides an introduction to the interdisciplinary field of gender, sexuality, and feminist studies. Examining gender and sexuality always in conjunction with the categories of race and class, the course foregrounds how inequalities are perpetuated in different fields of human activity and the creative ways in which groups have resisted these processes. The course is organized in sections to illuminate the effects of particular social institutions and structures on individual lives. Each section will introduce a broad overview of feminist interventions in different fields of inquiry. Cumulatively, the course reveals the importance of gender and sexuality as analytical categories to understand social reality and to comprehend important areas of culture. 3 hrs. lect. **CMP, SOC** (S. Moorti)

## GSFS0206 Contemporary Women Playwrights (Spring 2017)

In this course we will read and discuss the work of the most influential and interesting American and European playwrights from the 1980s to the present. Authors will include: Maria Irene Fomes, Caryl Churchill, Suzan-Lori Parks, Adrienne Kennedy, Ntozake Shange, Judith Thompson, and Naomi Wallace. Issues of race, class, and gender will be closely examined. Readings will include selections from performance and feminist theory. 3 hrs. lect. **ART, LIT** (C. Faraone)

## GSFS0207 Economics and Gender (Spring 2017)

Economics and Gender is an introduction to using the tools of economics to understand gender-related issues. In the first part of the course we will review economic models of the household, fertility, and labor supply and discuss how they help us interpret long-term trends in marriage and divorce, fertility, and womenâs labor-force participation. In the second part of the course we will study economic models of wage determination and focus on explanations of, and policy remedies for, earnings differentials by gender. The final part of the course will focus on new research in economics on gender-related topics. (ECON 0155) 3hrs. lect. **SOC** (T. Byker)

## GSFS0208 Unruly Bodies: Black Womanhood in Popular Culture (Fall 2016)

In this course we will examine representations of black womanhood in popular culture, analyzing the processes by which bodies and identities are constructed as dangerous, deviant, and unruly. For example, materials will include the work of bell hooks and Patricia Hill Collins to analyze the imagery of black womanhood propagated by the television shows *The Jerry Springer Show* and *Bad Girls Club*. By contrast, we will also read Saidiya Hartmanâs *Scenes of Subjection* as a lens through which to view âbadâ black womanhood as a radically stylized means of redress in the Blaxploitation-era film *Foxy Brown*. 3 hrs. lect. **CMP, NOR** (J. Finley)

## GSFS0209 Gender Health Environment (Spring 2017)

Growing concern for the protection of the environment and human health has led policy makers and scholars to consider ways in which gender, class, and race and other forms of identity mediate human-environment interactions. In this course we will explore how access to, control over, and distribution of resources influence environmental and health outcomes both in terms of social inequities and ecological decline. Specific issues we will cover include: ecofeminism, food security, population, gendered conservation, environmental toxins, climate change, food justice, and the green revolution. We will draw comparisons between different societies around the globe as well as look at dynamics between individuals within a society. The majority of case studies are drawn from Sub Saharan Africa and Asia, however some comparisons are also made with the United States. 3 hrs. lect. **AAL, CMP, SOC** (M. Baker-Medard)

## GSFS0223 Introduction to Gay and Lesbian Studies (Fall 2016)

This course will provide an introduction to the interdisciplinary field of gay and lesbian studies. We will explore three topics: queer theory, the construction and representation of homosexuality in history, and queer culture before and after Stonewall. Readings will include works by Michel Foucault, Judith Butler, Eve Sedgwick, George Chauncey, John Boswell, Lillian Faderman, Oscar Wilde, Radclyffe Hall, Michael Cunningham, and Tony Kushner. 3 hrs. lect./3 screen **SOC** (K. Moss)

## GSFS0224 Race and Ethnicity in the US (Spring 2017)

**NOR, SOC** (R. Joo)

## GSFS0225 Feminist Blogging (Spring 2017)

Blogging is a genre that lends itself to both feminist theory and practice because it involves writing from a particular place and a particular embodiment, about how power operates in our social worlds. Feminist theory demands intersectionality: an ability to weave race, class, gender, sexuality and other forms of power into a single theoretical approach. Feminist blogging transforms intersectionality into a single narrative arc. In this course we will think about blogging as a genre and how feminist theory can infuse that genre into a more vibrant, complex, and even transformative site. Throughout the course we will read feminist theory, analyze feminist blogs, and produce our own feminist blogs. 3 hrs. lect. **CMP, LIT, NOR, SOC** (L. Essig)

## GSFS0230 Gender Images in American Popular Culture (Spring 2017)

In this course, we will examine representations of gender in American popular culture. Course materials will include nineteenth-century popular music, literature, and theater, early twentieth-century advertising and film, 1950s television, and more recent electronic media. Considering a range of cultural forms over a broad historical period allows us to determine the impact that particular media have had on our conceptions of gender difference. Finally, by becoming critical readers of popular cultural forms that represent manhood and womanhood, we gain a greater appreciation for the complexity, variability, and open-endedness of gender constructions within

American life. 3 hrs. lect. **NOR** (H. Allen)

## GSFS0250 Gender in Japan (in English) (Fall 2016)

In this course we will examine changing ideas about gender and sexuality in Japan in the 10th through 20th centuries, with special attention to the modern period. Sources will include literary texts, films, and social/historical studies. We will discuss topics, including women's writing in classical Japan; the commercialization of sexuality in the 18th century; ideas of "homosexuality" in late-medieval and modern times; and women's social roles and political struggles in the 20th century. 3 hr. lect./disc. **AAL, LIT** (L. White)

## GSFS0254 American Women Poets (Spring 2017)

We will examine the rich tradition of lyric poetry by women in the U.S. Beginning with the Puritan Anne Bradstreet, one of the New World's earliest published poets, we continue to the 19th century and Emily Dickinson, along with the formidable line of "poetesses" who dominated the popular poetry press in that era. We examine the female contribution to the Modernist aesthetic in figures like Millay, Moore, H.D. and Gertrude Stein; the transformation of modernist ideals by Bishop, Plath, Sexton, and Rich; and, among the postmodernists, Lyn Hejinian and Susan Howe. 3 hrs. lect. **LIT, NOR** (B. Millier)

## GSFS0261 Globalizing Gender (Fall 2016)

In this course we will explore gender and the process of gendering as a complex and evolving global phenomenon of the 21st century. The readings will focus on the politics and experience of gender and sexualities in various parts of the world, including India, Pakistan, Muslim minorities in South Asia, and among diasporic communities in Europe and the United States. Through lectures and small group discussions, we will critique and analyze themes including third gender, masculinity, changing practices of marriage, the politics of sexuality, and the impact of the womenâs movement, and gay rights movement on existing understanding of gendered traditions. 3 hrs. lect./disc. **CMP, SOC** (B. Taylor)

## GSFS0264 Indian Cinema: Romance, Nation, and Identity (Fall 2016)

In this course we will use the lens of romance to examine the world's largest film-making industry. Focusing primarily on Hindi cinema produced in Bombay/Mumbai, we will examine the narrative conventions, aesthetic devices (such as song-dance sequences), and other cinematic conventions that are unique to Indian films' narration of romance. Through a historical overview of films from the silent, colonial, and post-colonial eras into the contemporary era of globalization, we will track how the family is configured, the assignment of gender roles, and how national identity is allegorized through family romance. The course includes weekly screenings of films, which will be sub-titled in English. 3 hrs. lect. **AAL, ART, SOC** (S. Moorti)

## GSFS0267 Gender and Sexuality in Media (Fall 2016)

In this course, we will explore the intersecting roles played by gender and sexuality in our media, focusing specifically on film, television, and digital culture. We will examine the multiple

ways in which popular media texts construct and communicate gender and sexuality, and we will analyze the role of gender and sexuality in the processes of spectatorship and meaning-making. We will study a wide range of theories of gender and sexuality in media including feminist film theory, queer media theory, and literature on gender and sexuality in video game history and culture. 3 hrs. lect./3 hrs. screen. **SOC** (L. Stein)

## GSFS0284 Modern Dance History in the United States: Early Influences to Postmodern Transformations (Fall 2016)

In this seminar we will focus on the emergence and development of 20th century American concert dance--especially modern and postmodern dance forms--from the confluence of European folk and court dance, African and Caribbean influences, and other American cultural dynamics. We will look at ways in which dance reflects, responds to, and creates its cultural milieu, with special attention to issues of gender, race/ethnicity, and class. Readings, video, and live performance illuminate the artistic products and processes of choreographers whose works mark particular periods or turning points in this unfolding story. Our study is intended to support informed critical articulations and an understanding of the complexity of dance as art. 3 hrs. lect./2 hrs. screen. **ART, HIS, NOR** (K. Miranda)

## GSFS0285 Ethics, Aesthetics, and the Moving Body (Spring 2017)

What are you willing to do to "look right?" In this course we will investigate how questions about what is good, and what is beautiful, affect how we treat our bodies. We will explore somatic techniques, in which the body is used as a vehicle for understanding compassion. In contrast, we will examine the extreme physical regimens of concert dance techniques that originated in the U.S., Europe, and Asia, in which the body is seen as an object to be molded into an aesthetic ideal. The course will utilize readings in philosophy and dance history, reflective and research based writing, and movement practices. (No previous experience necessary) 3 hrs. lect./1 hr. lab **ART** (K. Miranda)

## GSFS0303 Outlaw Women (Spring 2017)

In this course we will read and discuss literary novels that feature women who defy social norms: daring survivors, scholars, âwhores,â queers, artists, âmadwomen,â servants, revolutionaries. We will take a critical and transnational approach to issues of race, class, gender, sexuality, ability, and religion. Texts will include Toni Morrisonâs *Sula*, Audre Lordeâs *Zami*, Marguerite Durasâ *The Lover,* Jamaica Kincaidâs *Lucy*, Patricia Powellâs *The Pagoda*, and Azar Nafisi's *Reading Lolita in Tehran*. Students will write formal literary analysis,and narrative criticism. Together we will engage in some contemplative practice and study selected films. (Any one GSFS Course) **CMP, CW, LIT, SOC** (C. Wright)

## GSFS0304 Gender, Culture, and Power (Spring 2017)

This course offers a cross-cultural introduction to the issues involved in the study of women and gender. Such an endeavor raises a number of difficult and delicate issues. What explains the diversities and similarities in women's roles across societies? How do we assess women's status

and power, and how do we decide which standards to use in doing so? What forces create changes in women's roles? What is the relationship between gender constructions and the nature of communities, economies, and even nations? Our analysis will concentrate on three primary domains: family and kinship, symbolic systems, and political economy. Course readings will focus primarily on non-Western societies. 3 hrs. lect./disc. **AAL, CMP, SOC** (E. Oxfeld)

## GSFS0307 Human Sexuality (Fall 2016)

In this course we will discuss the biological, psychological, behavioral, and cultural aspects of human sexuality, starting with a review of anatomy, physiology and function. We will use current research findings to inform discussions of topics such as arousal and desire, relationships, sexual orientation, consent, pornography, and compulsive sexual behavior. We will look at how issues like contraception, sexuality, and sexually transmitted diseases have influenced and been influenced by their cultural context. (Two psychology courses; not open to first year students; open to Psychology and GSFS majors) 3 hrs. lect. (M. Seehuus)

## GSFS0314 Sociology of Heterosexuality (Spring 2017)

Most people believe that heterosexuality is natural or rooted in biology and so never look very closely at it as a product of culture. In this course we will examine the artifacts, institutions, rituals, and ideologies that construct heterosexuality and the heterosexual person in American culture. We will also pay close attention to how heterosexuality works alongside other forms of social power, especially gender, race, and class. 3 hrs. lect. **NOR, SOC** (L. Essig)

## GSFS0320 Topics in Feminist Theory (Spring 2017)

The course offers an overview of some key feminist texts and theories that have shaped the analysis of gender and sexuality. Each semester the instructor will choose a particular topical lens through which to examine some of the foundational theoretical texts that have animated the field of gender, sexuality, and feminist studies. Working within a transnational perspective, the course encompasses texts which fall under the categories of critical race and critical sexuality studies. (GSFS 0200 or SOAN 0191) 3 hr. lect. **CMP, SOC** (S. Moorti)

## GSFS0329 The Politics of Reproduction: Sex, Abortion, and Motherhood (Fall 2016)

In this course we will examine contemporary reproductive issues both in the United States and around the world. We will work to understand both how reproductive politics are informed by broader cultural ideas regarding gender, race, class, ability, sexuality, and geography and also how ideas about reproduction reinforce conceptions of these very identity markers and ways of experiencing the world. Because requirements for being considered a âgoodâ woman are intimately tied to what it means to be a âgoodâ mother, challenging dominant understandings of gender and sexuality requires critical engagement with ideas about reproduction. 3 hrs. lect. **CMP, NOR, SOC** (C. Thomsen)

## GSFS0334 The Hispanic Philippines, 1870-1950: Racial Nationalism, Colonial Impairment, and Cultures of

## Postcolonial Disability (Spring 2017)

In this course we will study the Hispanic cultures and literatures of the Philippines in relation to US, Spanish, and Japanese colonialism. The âIlustraciÃ³n Filipinaâ or Philippine Enlightenment was a mestizo nationalist movement through which the Filipino nation is normatively said to have been consolidated. Drawing from postcolonial theory and disability studies, this course will ask students to analyze the formation of national identities through representations of disability, impairment, and deficiency. **CMP, LIT, LNG** (S. Bolton)

## GSFS0343 Comparative Borderlands: Feminist Cultural Politics of Latin@ and Filipin@ Diasporas (Fall 2016)

Is it productive to think of Filipinos as the lost âLatinos of Asiaâ? In this course we will think through borders formed through the political convulsions of U.S. and Spanish imperialisms. Conventionally understood as discrete formations, this course will bring the American Borderlands and the Hispanic Philippines into a transpacific and transnational feminist conversation. Centering the radical heterogeneity of Filipin@ and Latin@ diasporas, we will examine culture as sites of struggle offering ways of thinking comparatively across time, space, language and colonialism as well as through dimensions of difference like class, race, gender, sexuality, and ability. 3 hrs. sem. **AAL, CMP, LIT, LNG** (S. Bolton)

## GSFS0373 History of American Women: 1869-1999 (Fall 2016)

This course will examine women's social, political, cultural, and economic position in American society from 1869 through the late 20th century. We will explore the shifting ideological basis for gender roles, as well as the effects of race, class, ethnicity, and region on women's lives. Topics covered will include: women's political identity, women's work, sexuality, access to education, the limits of "sisterhood" across racial and economic boundaries, and the opportunities women used to expand their sphere of influence. 3 hrs lect./disc. **CMP, HIS, NOR** (A. Morsman)

## GSFS0376 Politics of Identity (Fall 2016)

In this course we will introduce students to social diversity in the U.S. as it is reflected in four master identities: class, gender, race, and sexuality. We will examine what these identities mean for group membership, how group membership is attained or ascribed and maintained. Using both historical and contemporary materials, we will explore how identities have developed over time and how they have been challenged. In addition, we will examine how multiple identities intersect and the implications of these intersections have on individual identities. 3 hrs. lect./disc. **NOR, SOC** (C. Han)

## GSFS0382 Two Female Mexican Icons: The Virgin of Guadalupe and Sor Juana InÃ©s de la Cruz (Fall 2016)

If one wanted to choose the most representative female figures from all of Mexican history, there is no doubt that Sor Juana and the Virgin of Guadalupe would be the two who have most impacted Mexican society. In this course we will first concentrate on the Guadalupe and will

trace her transformation from the 16th- through the 21st century. In spite of a number of polemics around the veracity of her apparitions, she has consolidated herself as the symbol of the Mexican nation. Even in the 21st century, the Virgin of Guadalupe continues to be the most important religious icon in Mexican society. We will read historical documents and poetry, and will give attention to the colonial and contemporary art on the topic. Sor Juana InÃ©s de la Cruz is considered the first feminist of the New World. We will study some of her most representative pieces, and also her response to the âcreationâ of the Guadalupe myth. Not open to students who have taken SPAN/WAGS 1015. (Any two 0300-level Spanish course) **AAL, ART, LIT** (P. Saldarriaga)

## GSFS0384 Women, Religion, and Ethnography (Fall 2016)

In this course we will focus on ethnographic scholarship regarding women in various religious traditions. We will begin with questions of feminist ethnography as proposed by Lila Abu-Lughod and then read a range of ethnographies focusing on women in different contexts, including a female Muslim healer in South India, Kalasha women in Pakistan, Bedouin Muslim women in Egypt, and Catholic nuns in Mexico. We will focus on how gendered and religious identities are constructed and intertwined, and what ethnography contributes to the study of both religion and gender. A prior course in Religion, Anthropology, or Gender, Sexuality, and Feminist Studies is recommended. 3 hrs. sem. **AAL, CMP, PHL** (J. Ortegren)

## GSFS0388 Gender and Violence in the Hispanic World (Spring 2017)

Differences in the way men and women display violent behavior need to be better understood to prevent acts of murder and massive, often irreversible, harm. In this course we will try to find answers to: What are the origins and explanations of violence in all its forms? How are gendered identities produced and reproduced in society? How is gender implicated in violence? How can the new politics of masculinity inform our discussion of the connection between gender and violence? Discussion and analysis of a variety of materials from different disciplines will form the basis of our exploration, which will focus mainly on the representation of violence in Hispanic culture. Readings will include literary texts by Dolores Redondo, Sergio Ãlvarez, Ãlmer Mendoza, and theoretical texts by Suzanne E. Hatt and Elizabeth Wood. (At least two courses at the 0300-level or above or by waiver) 3 hrs. lect./disc. **AAL, LIT, LNG** (J. Gamero De Coca)

## GSFS0413 White People (Fall 2016)

White people are often invisible when it comes to having a race. In this course we will begin by considering the formation of whiteness in post Civil War America. We will read histories of whiteness, such as Grace Elizabeth Hale's *Making Whiteness*, as well as consider important milestones in whiteness, from the films *Birth of a Nation* and *Gone With The Wind* to the blog "What White People Like." Finally we will use essays, blogs, photographs, and videos to make white people at Middlebury visible by documenting how they represent themselves through language, dress, and rituals. (Not open to students who have taken FYSE 1357) 3 hrs. sem. (Sociology) **NOR, SOC** (L. Essig)

## GSFS0419 Gender, Power, and Politics on the Early Modern Stage (I) (Pre-1800) (Spring 2017)

In this class we will explore the representation of embodiment on the early modern stage, considering as we do so how theatrical embodiment intersects with other treatments of the body in early modern culture. As we consider the representation of the gendered body on stage or in so-called "closet" dramas, we will read both early modern and contemporary theoretical accounts of gender as performance, investigating among other issues the use of boy actors, the representation of specifically "female" disorders (e.g., "suffocation" or hysteria), the performance of maternity, the portrayal of female "voice" or vocality, and the treatment of same-sex eroticism. We will also study the dramatic use of related cultural codes pertaining to betrothal, marriage, cross-dressing, and sexual slander. Primary readings will include: Shakespeare's *The Winter's Tale*, Webster's *Duchess of Malfi*, Cary's *Tragedy of Mariam*, and Cavendish's *Convent of Pleasure*. Historical sources will include midwifery manuals, conduct books, medical treatises on hysteria, and legal accounts of betrothal and marriage. 3 hrs. lect. **EUR, LIT** (M. Wells)

## GSFS0430 Queering Food: Race, Place, and Social Justice (Spring 2017)

In this course we will examine food studies, politics, and movements through the lenses of queer, feminist, and critical theory (including work that centralizes gender, class, race, disability, sexuality, and place). In doing so, we will consider dominant and subaltern approaches to food both within the U.S. and transnationally. Throughout, we will explore how critical theory can offer alternative conceptualizations of food politics and justice, as well as how an analysis of food might expand our understandings of embodied subjectivities and the various social structures that produce them. 3 hrs. sem. **CMP, NOR, SOC** (C. Thomsen)

## GSFS0440 ReggaetÃ³n: Language, Gender, & Identity (Spring 2017)

In this seminar we will examine the origins, development, and dissemination of the popular music genre and cultural phenomenon of reggaetÃ³n. In conjunction with scholarly articles on the sociohistorical aspects of reggaetÃ³n, we will examine various artistsâ lyrics, videos, performances, and interviews, spanning from the 1980s up to the present. Students will acquire the theoretical and technical skills to analyze speech, discourse, and performance across different media in order to explore how (trans)national, ethno-racial, and gender identities are constructed and used to perpetuate, stereotype, and sometimes to contest, ideas of marginal/mainstream masculinities and femininities. (Two Spanish courses numbered 0350 or above, or by waiver.) 3 hrs. sem. **AAL, LNG, SOC** (M. Rohena-Madrazo)

## GSFS0443 Readings in African History: Women and Gender in Africa (Spring 2017)

This course takes up the challenge of understanding women's experiences and the role of gender in Africa's past. We will read from a wide variety of disciplinary perspectives and literary forms, including ethnographies, life histories, and fiction, in order to explore different methodological and interpretive approaches to these subjects. Themes will include: changes in the structure of patriarchy and women's status in the pre-colonial period, the gendered impact of colonial rule on African economies and ecologies, historical identities of masculinity and femininity, and gendered experience of postcolonial "development." Prior experience in African

history is not required. (formerly HIST/WAGS 0421) 3 hrs. seminar **AAL, HIS** (J. Tropp)

## GSFS0458 The U.S. Politics of Race, Gender, and Class (Spring 2017)

Race, gender, and class have long shaped American politics. They have formed the basis for social movements, have structured institutions, and have affected the way political actorsâfrom voters to activists to elected officialsâhave made their day-to-day decisions. What do political scientists know about the roles that race, gender, and class play in politics, separately and together, and what do we yet have to learn? (PSCI 0102 or PSCI 0104) 3 hrs. sem. *(American Politics)/* **NOR, SOC** (B. Johnson)

## GSFS0500 Independent Study (Fall 2016, Spring 2017)

(Approval required)

## GSFS0700 Senior Essay (Fall 2016, Spring 2017)

(Approval required)

## GSFS0710 Senior Thesis (Fall 2016, Spring 2017)

(Approval required)

### Geography

***Required for the Major:*** The geography major consists of 10 courses. All students who elect to major in geography must complete: GEOG 0100; GEOG 0120; five elective courses at the 0200-level; one course at the 0300-level; one 0400-level seminar; and GEOL 0112 or GEOL 0170. Only one of the 0200-level courses may be numbered 0250 or above. An additional 0300-level course can be used as a substitute for a 0200-level elective. The electives and the seminar must be selected in consultation with, and approved by, the major advisor.
***Required for a Joint Major:*** The Geography Department offers joint majors with Environmental Studies, Computer Science, and the History of Art and Architecture. Students wishing to pursue a joint major with any other department must submit a formal proposal to their intended Geography advisor for departmental approval. The proposal must describe the proposed program of study, including educational rationale and specific courses to be taken. All joint majors must complete joint senior work in Geography or an equivalent, approved by the advisor.
The **Geography/Environmental Studies** joint major requires GEOG 0100; GEOG 0120; three courses at the 0200-level (none of which may be numbered 0250 or above); one course at the 0300-level; and one 0400-level seminar. The electives, the seminar, and the joint senior work must be selected in consultation with, and approved by, the students Geography advisor.
The **Geography/Computer Science** and **the Geography/History of Art & Architecture** joint majors require GEOG 0100; GEOG 0120; three courses at the 0200-level (none of which may be numbered 0250 or above); one course at the 0300-level; one 0400-level seminar; and senior work at the 700 or 701-702 level in Geography that demonstrates connections between the two disciplines. The electives, the seminar, and senior work must be selected in consultation with, and approved by, the students Geography advisor.

***Required for a Minor:*** GEOG 0100, GEOG 0120, and three additional courses.
***Advanced Placement:*** One course credit will be awarded for an advanced placement (AP) score of 5 in human geography. Geography majors who receive a 5 on the AP exam may count this course credit as one 0200-level equivalent toward their major requirements, but are still required to complete GEOG 0100. The AP credit may not be used to satisfy joint major or minor requirements.
***Geography Specialization in International Studies:*** GEOG 0100; GEOG 0120; three courses from GEOG 0207, GEOG 0210, GEOG 0214, GEOG 0215, GEOG 0220, GEOG 0223, GEOG 0225; and one GEOG 0400-level seminar. Students writing a thesis must also take GEOG 0325 (formerly GEOG 0310) or GEOG 0339.
***Departmental Honors:*** Students who seek to earn honors are required to write a two-credit honors thesis. They must have at least a 3.3 GPA in the major when they propose the thesis and must have a 3.5 GPA in the major, not including the thesis grade, to be considered for honors upon graduation. In order to complete a senior thesis, students must have a proposal approved by a primary thesis advisor and a secondary departmental reader prior to registering for the first 0701 credit. Upon completion of the thesis, thesis students will present their work in a public lecture and defend the thesis in front of the departmental faculty. Thesis presentations and defenses will typically take place during the final week of classes or the examination period. Upon completion of the presentation and defense, the primary advisor and secondary departmental reader will be responsible for evaluating and grading the thesis. It is strongly encouraged that students considering a thesis discuss their ideas with an advisor during the semester prior to registering for formal thesis credits. Honors will be conferred or denied on the basis of an evaluation of the thesis by the faculty and the students GPA in the major, as explained above.

## GEOG0100 Place and Society: Local to Global (Fall 2016, Spring 2017)

This course is an introduction to how geographers view the world and contribute to our understanding of it. Where do the phenomena of human experience occur? Why are they there? What is the significance? These questions are fundamental for explaining the world at different scales from the global to the local. Throughout, we will focus on the spatial basis of society, its continual reorganization through time, and how various human and environmental problems can be usefully analyzed from a geographic perspective. (Open only to first-year students and sophomores) 3 hrs. lect./3 hrs. lab **DED, SOC** (Fall 2016: J. Holler; Spring 2017: P. Nelson)

## GEOG0120 Spatial Thinking with Geographic Information Systems (Fall 2016, Spring 2017)

This course applies spatial thinking (integrating spatial concepts, spatial representations, and spatial reasoning) using geographic information systems (computer systems for processing location-based data). Students will learn to frame and solve a sequence of applied problems with GIS across a wide range of topics, including environmental planning, biogeography and conservation biology, environmental justice, political geography, and urban geography. Fundamental concepts and methods of GIS will include raster and vector data structures and operations, geographic frameworks, error and uncertainty, and principles of cartographic design. (First semester first year students and second semester seniors by waiver) 3 hrs. lect./3 hrs. lab. **DED, SOC** (Fall 2016: J. Howarth; Spring 2017: L. Dreiss, J. Howarth)

## GEOG0205 Geographies of Nature, Power, and Society (Spring 2017)

This course provides an introduction to the contributions of human geography to the interdisciplinary field of political ecology. Political ecology offers a framework for understanding and critically rethinking explanations of human interactions with the environment, working toward equitable and sustainable solutions. For political ecologists, environmental change and social conflict result from uneven access to resources, and hence from power relations. Human geographers contribute concepts of scale, space, place, spatial interactions, and situated knowledge. We will integrate concepts from both fields to study human-environment interactions, and to analyze the production of knowledge and discourses about environmental problems. 3 hr. sem. **SOC** (J. Holler)

## GEOG0208 Land and Livelihoods (Spring 2017)

In this course we will explore how people make a living in different places, with an emphasis on land-based livelihoods of âsmallholdersâ in the Global South. We will focus on issues of poverty, inequality, natural resource dependence, diversification, and education at the microscale level of individuals, households, and communities and then situate our understanding within forces operating at a more macroscale. Through a combination of readings, lectures, and exercises we will examine relationships among land, work, and wealth, and the way these relationships may be changing in different regions. 3 hrs. lect. **AAL, CMP, SOC** (J. L'Roe)

## GEOG0209 Human Geography of Hazards (Spring 2017)

Why do storms, earthquakes, and other hazards result in disastrous loss of life in some places, and only minor losses in others? In this course we will study human geographies of population, economic development, politics, and culture to explain the diverse outcomes from biophysical hazards. We will compare hazard geographies at the global, regional, and local scales using diverse approaches, including quantitative analysis, geographic information systems (GIS), and comparative case studies. We will examine how geographic analysis and technologies are used in disaster planning and response. We will practice applying human geography theory and methods to hazards research through practical exercises, exams, and research projects. 3 hrs. lect./lab **CMP, SOC** (J. Holler)

## GEOG0212 Urban Geography (Fall 2016)

Urban landscapes are the expression of economic, political, and socio-cultural processes layered on top of each other in particular time-space contexts. In this course, students will theoretically and empirically examine the complex and dynamic urban landscape. Students will gain a theoretical understanding of the location of cities within a larger global economic system of cities, along with the internal organization of economic, cultural, and social functions within cities. We will also examine the processes behind contemporary urban issues such as homelessness, boosterism, urban renewal, gentrification, poverty, and crime. 3 hrs. lect. **NOR, SOC** (J. Holler)

## GEOG0216 Rural Geography (Fall 2016)

This course explores the intersection between demographic, economic, cultural, and environmental forces on the rural landscape in both advanced economies and LDCs. Students will be exposed to theoretical and empirical approaches to rural development in different international and regional contexts, as well as problems associated with these development paradigms. Particular attention will be paid to neoliberal economic policies and their impacts on rural areas, and the course will frequently draw on examples from New England and North America. Additionally, the world is becoming increasingly urbanized, so we will examine the ways people come to know rural areas through the media, literature, and travel. This course includes opportunity for service learning. (Formerly GEOG 0221) 3 hrs. lect. **NOR, SOC** (P. Nelson)

## GEOG0225 Environmental Change in Latin America (Fall 2016)

This course examines Latin America from a geographical perspective with emphasis on the social, political and ecological underpinnings of change in the region. Building upon the theme of global environmental change in the context of human-environment geography, we will explore urgent challenges linked to the agricultural and extractive industries, urban expansion, land grabs, land reform, indigenous rights, and rural and urban poverty. 3 hrs. lect. **AAL, SOC** (J. L'Roe)

## GEOG0251 Geomorphologyic Process (Fall 2016)

In this course we will investigate processes that shape the Earth's surface, including weathering, mass movements, and the effects of water, wind, and ice. Students will examine how such processes govern the evolution of landforms in differing climatic, tectonic, and lithologic settings. Field and laboratory study will focus on the role of active surficial processes, as well as glaciation and other past events, in development of the landscape of west-central Vermont. We will also discuss implications for human activities and maintenance of natural systems. (GEOL 0112 or GEOL 0161 or GEOL 0170 or by waiver) 3 hrs. lect./3 hrs. lab **DED, SCI** (J. Munroe)

## GEOG0325 Cartographic Design (Spring 2017)

In this course we will study principles of cartographic design in the digital era. Major topics will include cartography before computing, reference map design, wayfinding, thematic map design, realism, 3D rendering, and interactive maps. Laboratory exercises will provide opportunities for students to use graphics software and geographic information systems to implement concepts from lectures. Through a series of independent projects and group critiques, students will learn to design cartographic products that facilitate spatial thinking and effectively communicate spatial information to specialist and lay audiences. (GEOG 0120 or by waiver; open to geography majors) 3 hrs. lect./3 hrs. lab **ART, SOC** (J. Howarth)

## GEOG0326 GIS Applications in Environmental Science and Management (Spring 2017)

GIS has become an important tool for supporting spatial decisions in environmental science and management. In this course we will explore applications of GIS related to current ecological and social issues such as biodiversity conservation, invasive species, and watershed management.

Students will discuss articles highlighting the benefits and limitations of GIS in conducting meaningful scientific research to inform real-world management problems. Students will gain hands-on experience with GIS in the lab and in the field, collecting environmental data, conducting spatial analyses, and using results to test hypotheses and guide the decision-making process. The course will end with a student defined research project. (GEOG 0120) 3 hrs. lect./3 hrs. lab **SCI** (L. Dreiss)

## GEOG0339 Practicing Human Geography (Fall 2016)

Asking and answering geographical questions often invokes a variety of specific spatial-analytical techniques and methodologies. In Practicing Human Geography, students will employ a variety of both quantitative and qualitative methodologies in specific research contexts. Through lectures, examples, and readings, students will learn the types of questions each technique is designed to answer, how it works, and how to interpret the results. During weekly discussion sections, students will gain hands on experience with various software packages and employ these techniques to complete a series of research exercises. These research exercises, participation, and a final exam will form the basis for evaluation. (GEOG 0100, and at least one 0200-level course in geography) 3 hrs. lect./3 hrs. lab **DED** (J. L'Roe)

## GEOG0406 Seminar in Human-Environment Geography: Land-use, Management, and Governance (Spring 2017)

Aldo Leopold wrote, âWe abuse land because we regard it as a commodity belonging to us. When we see land as a community to which we belong, we may begin to use it with love and respect.â To whom land belongs, decisions about how land is used, and the way these are negotiated represent fundamental themes in human-environment geography. In this course, we examine how contemporary academic and policy debates about land management and governance continue, struggling to reconcile tension between land-as-commodity versus land-as-community. How do we balance increasing demand for food, fuel, and fiber with protection of human rights and natural ecosystems, each operating at different spatial scales? Who gets to decide? We will explore these questions of management, values, and governance through a combination of readings, discussion, and collaborative research.Â  (Open to senior majors only; others by waiver) 3 hrs. sem **SOC** (J. L'Roe)

## GEOG0413 Seminar in Population Geography: Migration in the Twenty-first Century (Fall 2016)

On average, 20 percent of the U.S. population changes residence in any given year, yet the scale, geography, motivations, and impacts of these movements are highly variable, making migration an incredibly pervasive and complex phenomenon. Furthermore, international immigration continues to attract considerable academic, political, and media attention. This course will explore contemporary approaches to migration studies emphasizing the important insights and contributions of geographers. How have geographers examined migration, and how have geographical approaches changed over time? In what ways has technology influenced the motivations, frequency, and implications of migration behavior? What are the different impacts of migration on individuals, households, and communities? And, what are the new innovations in scholarly approaches to migration? Through a combination of readings from contemporary migration literature, discussions, and analyses, students in this seminar will gain an appreciation for and understanding of this incredibly rich and complex phenomena of migration.

(Open to second semester juniors and seniors only; others by waiver) 3 hrs. sem. (P. Nelson)

## GEOG0500 Independent Study (Fall 2016, Spring 2017)

A one-credit intensive research project developed under the direction of a faculty member. Junior majors only. (Approval Required)

## GEOG0700 Senior Research (Fall 2016, Spring 2017)

A one-credit intensive research project developed under the direction of a faculty member. Senior majors only. (Approval Required)

## GEOG0701 Senior Thesis (Fall 2016, Spring 2017)

Students with a departmental GPA of 3.3 or higher are eligible to complete a two-credit senior thesis. In order to complete a senior thesis, students must have a proposal approved by a primary thesis advisor and a secondary departmental reader prior to registering for the first 0701 credit. Upon completion of the thesis, thesis students will present their work in a public seminar and defend the thesis in front of the departmental faculty. Thesis presentations and defenses will typically take place during the final week of classes or the examination period. Upon completion of the presentation and defense, the primary advisor and secondary departmental reader will be responsible for evaluating and grading the thesis. It is strongly encouraged that students considering a thesis discuss their ideas with an advisor during the semester prior to registering for formal thesis credits. (Approval only)

### Geology

**Required for the Major:**The program for a geology major consists of 11 courses within the department and two additional cognate courses. These courses must include:

(1) One 0100-level course (we strongly recommend Environmental Geology (GEOL 0112), Elements of Oceanography (GEOL 0161) or Dynamic Earth (GEOL 0170)).

(2) Four core courses: Bedrock Geology of Vermont (GEOL 0201), Mineralogy (GEOL 0211), and Structural Geology (GEOL 0281) are required, plus either Geomorphic Processes (GEOL 0251) or Surface and Ground Water (GEOL 0255).

(3) Four elective courses (GEOL 0200-level or higher) chosen from the Middlebury geology curriculum, at least two of which must be at the GEOL 0300-level. A maximum of two electives (total) can be GEOL 0500, courses taken off campus (with approval of the Chair), or a combination of the two.

(4) Two cognate courses (any Biology, Chemistry, or Physics laboratory course, or Math 0116 or higher).

(5) Two Credits of Senior Work (GEOL 0400 and GEOL 0700)

The two course senior sequence (GEOL 0400 and 0700) is the culmination of the geology major and consists of original research based on field and/or laboratory investigations by the student. The requirements for the major listed above are considered to be minimal. We suggest students planning a career in geology or the earth sciences take additional courses in other sciences and

mathematics, as well as additional geology courses. The requirements for the major allow for considerable flexibility and thus students should consult regularly with their geology department advisors for the selection of specific courses.

**Geology Minor:** A total of five courses is required. The minor shall consist of one introductory course (either GEOL 0112 or GEOL 0161 or GEOL 0170), plus four higher-level courses, which must include GEOL 0201 or GEOL 0211, and at least one 0300-level course. After completing an introductory geology course, students who intend to minor in geology should arrange specific 0200- and 0300-level courses with the geology chair or designate. Only one GEOL 0500 or off-campus course can count toward the minor.

**Departmental Honors** in geology are based primarily on outstanding work in original research (GEOL 0700), and are related to course grades only in the context of guidelines in the College Handbook.

## GEOL0111 Natural Hazards (Spring 2017)

Despite increasing technological sophistication, modern civilization remains vulnerable to natural hazards such as earthquakes, volcanic eruptions, tsunamis, flooding, landslides, extraterrestrial impacts, and other events. In this course we will consider the geologic mechanisms behind these hazards, the societal implications of these hazards, and approaches to reducing risk. Case studies will be combined with exploration of fundamental geologic concepts to provide students a foundation for understanding risk exposure and evaluating approaches to hazard management. (Not open to students who have taken GEOL 0112 or 0170) 3 hrs. lect./1 hr. disc. **SCI** (K. Walowski)

## GEOL0112 Environmental Geology (Spring 2017)

Geological processes form the physical framework on which ecosystems operate. We require an understanding of the geological environment in order to minimize disruption of natural systems by human development and to avoid hazards such as floods and landslides. This course is an overview of basic tectonic, volcanic, and landscape-forming processes and systems, including earthquakes, rivers, soils, and groundwater. Environmental effects of energy, mineral, and water resource use, and waste disposal are also examined. Weekly field labs after spring break. Registration priority for first and second-year students. 3 hrs. lect./disc., 3 hrs. lab/field trips **SCI** (W. Amidon)

## GEOL0161 Elements of Oceanography (Fall 2016)

Oceanographic exploration is introduced through study of ocean basins and continental margins. The multidisciplinary nature of oceanography is emphasized by using principles of marine geology, geophysics, geochemistry, and biology to address contemporary problems. Techniques of data collection and analysis are taught aboard the College's research vessel, R/V Folger, located on Lake Champlain. 3 hrs. lect./3 hrs. lab/field trips **DED, SCI** (T. Manley)

## GEOL0170 The Dynamic Earth (Fall 2016)

Sea-floor spreading and continental drift, earthquakes and volcanoes, origin and evolution of mountain systems, and concepts of plate tectonics are viewed in light of the geology of ocean

basins and continents. Modern processes such as river, coastal, wind, and glaciers will be studied and their effect on shaping the geologic landscape. Laboratory: field problems in Vermont geology; interpretation of geologic maps, regional tectonic synthesis. 3 hrs. lect./3 hrs. lab/field trips **SCI** (M. Mnich)

## GEOL0202 Climate and Earth's History (Spring 2017)

In this course we will discuss how external forces and internal feedbacks within the Earth system govern climate. Specific topics will include orbital variability, changes in ocean circulation, CO2 uptake in terrestrial ecosystems, and molecular vibrational controls on infrared absorption and Earth's heat budget. We will then examine climate change through Earth's history as evidenced by a number of geologic proxies including the sedimentary record, ice cores, isotopic records, glaciers, soils, and tree rings. Ultimately our improved understanding of past climates will provide a context within which to discuss future changes to come. (one Geology course) **SCI** (P. Ryan)

## GEOL0211 Mineralogy (Spring 2017)

This course covers the nature, identification, composition, and meaning of minerals and mineral assemblages. Introduction to crystallography, hand-specimen identification, optical mineralogy, x-ray analysis, and electron microbeam analysis. Laboratory: study of minerals in hand-specimen and under the polarizing microscope; use of x-ray diffraction and electron microscopy in mineral analysis. (One geology course) 3 hrs. lect./3 hrs. lab **SCI** (D. West)

## GEOL0222 Remote Sensing in Geoscience (Spring 2017)

In this course we will discuss fundamentals of air- and space-based remote sensing applied to geological and environmental problems. The core goal is to understand how different wavelengths of electromagnetic radiation interact with Earth's surface, and how images collected in these different wavelengths can be used to address questions in the Earth sciences. Lectures will present theory and basics of data collection as well as applications in hydrology, vegetation analysis, glaciology, tectonics, meteorology, oceanography, planetary exploration, and resource exploration. Labs will focus on commonly-used imagery and software to learn techniques for digital image processing, analysis and interpretation in Earth science. (A geology course or by waiver) 3 hrs. lect., 3 hrs lab **SCI** (W. Amidon)

## GEOL0241 Sedimentary Rocks (Spring 2017)

This course will provide an overview of the tools used in determining depositional environments and tectonic settings of sedimentary rocks. Lectures will cover depositional systems and facies relationships, stratigraphic principles, origin of sedimentary structures and textures. Labs and field trips will include methods in sedimentary basin analysis, and sedimentary petrology. (formerly GEOL 0321) (Any 0100-level geology course or by waiver) 3 hrs. lect., 3 hrs. lab/field trips **SCI** (P. Ryan)

## GEOL0251 Geomorphology (Fall 2016)

In this course we will investigate processes that shape the Earth's surface, including weathering, mass movements, and the effects of water, wind, and ice. Students will examine how

such processes govern the evolution of landforms in differing climatic, tectonic, and lithologic settings. Field and laboratory study will focus on the role of active surficial processes, as well as glaciation and other past events, in development of the landscape of west-central Vermont. We will also discuss implications for human activities and maintenance of natural systems. (GEOL 0112 or GEOL 0161 or GEOL 0170 or by waiver) 3 hrs. lect./3 hrs. lab **DED, SCI** (J. Munroe)

## GEOL0281 Structural Geology (Fall 2016)

Plate tectonics and mountain building processes result in deformation of the Earth's crust. Structural geology is the study of this deformation, and this course will examine the many types of structures found in crustal rocks (folds, faults, etc.) and explore the forces responsible for their formation. Laboratory exercises will emphasize the hands-on description and analysis of structures in the field, as well as the practical aspects of map interpretation and computer analysis of structural data. (A geology course or by waiver) 3 hrs. lect., 3 hrs. lab/field trips **CW, SCI** (D. West)

## GEOL0300 Introduction to Petrology (Spring 2017)

An introduction to processes involved in the formation of igneous and metamorphic rocks. The first half of the course includes inquiry into the classification, plate tectonic setting, and evolution of volcanic and plutonic igneous rocks. The second half includes study of progressive metamorphism, the pressure-temperature- time history of metamorphic rocks, and the relation between metamorphism and plate tectonics. Labs will include thin section studies of igneous and metamorphic rocks, as well as field trips in Vermont and the Adirondacks. (GEOL 0211) 3 hrs. lect., 3 hrs. lab/field trips (K. Walowski)

## GEOL0301 Plate Tectonics and World Geology (Fall 2016)

Tectonics refers to the many processes associated with development of regional-scale geologic features. These features include the origin and evolution of mountain belts, the growth of continents and ocean basins, and the causes of earthquakes and volcanic eruptions. The challenge of tectonic analysis lies in the accumulation and synthesis of a wide range of geologic information in an attempt to reconstruct the tectonic history of a particular region. An overnight weekend field trip towards the end of the semester will introduce students firsthand to the tectonic elements of the Appalachians. 3 hrs. lect. **SCI** (W. Amidon)

## GEOL0352 Glacial and Quaternary Geology (Spring 2017)

In this course we will examine the causes and effects of glaciation along with the characteristics that make the Quaternary Period unique in geologic time. Topics will include glaciology, glacial erosion and deposition, glacier reconstruction, and techniques for interpreting and dating the Quaternary stratigraphic and paleoclimatic record from diverse terrestrial, lacustrine, and marine archives. Consideration also will be given to how severe climatic fluctuations impacted nonglacial environments. An overnight weekend field trip at the end of the semester will introduce students firsthand to alpine glacial landforms. (Any 0100-level geology or geography course, or by waiver) 3 hrs. lect., 3 hrs. lab **DED, SCI** (J. Munroe)

## GEOL0400 Senior Thesis Research Seminar (Fall 2016)

This seminar will focus on methods and strategies for completing advanced geological research and provides a springboard for senior thesis research. Topics will include field and laboratory techniques, primary literature review, and scientific writing. Students taking this course are expected to be simultaneously working on the early stages of their senior thesis research. During the semester students will present a thesis proposal and the seminar will culminate with each student completing a draft of the first chapter of their senior thesis. GEOL 0400 is required of all geology majors. 3 hrs. disc. or lab (D. West)

## GEOL0500 Readings and Research (Fall 2016, Spring 2017)

Individual or group independent study, laboratory or field research projects, readings and discussion of timely topics in earth and environmental science. (Approval only)

## GEOL0700 Senior Thesis Research (Fall 2016, Spring 2017)

Upon completion of GEOL 0400, all senior geology majors will continue their independent senior thesis research by taking one unit of GEOL 0700. This research will culminate in a written thesis which must be orally defended. (Approval only)

### German

***Requirements for the Major:*** Students are normally required to complete eight courses in German, above GRMN 0299, including at least one advanced level seminar (above GRMN 0399) or a 0700 level honors thesis during the senior year. Where appropriate, one course may be taken in English. At the beginning of each term a placement test is administered for incoming students to determine which course would be most suitable for their level of competence. The department expects that majors will spend at least one semester of study in a German-speaking country before graduating. Normally, they will spend one or two semesters at the Freie Universitt in Berlin and/or the Johannes-Gutenberg Universitt in Mainz. Before enrolling in one of our Schools in Germany, students must complete two courses at the 0300-level. For more information, please consult Study in Germany.
***Honors:*** To be a candidate for honors, students must have an average of at least B+ in German. Honors work (a senior thesis or project) is normally done during a student's last year at Middlebury.
***Minor in German:*** The German minor consists of a sequence of five courses, taught in German, starting at or above the 0200-level. At least three of those courses must be at the 0300-level or higher. First-year students who place above the 0200-level in the placement test must take at least one 0400-level course as part of their minor. One course may be satisfied through advanced placement (AP) credit in combination with a departmental placement test. Students who receive AP credit start their minor on the 0300-level.
***Credit for Advanced Placement*** is given for scores of 4 or 5, a high score on the departmental placement test, and a placement conference with the student. In addition, the student must successfully complete at least one course above the 0200-level in the department, *taught in German*, to qualify for AP credit.
***Germany:*** The Middlebury School in Germany has sites located in Berlin and Mainz.

## GRMN0101 Beginning German (Fall 2016)

Geared toward quick and early proficiency in comprehension and free expression. Grammatical structures are practiced through group activities and situational exercises (e.g., role-playing games and partner interviews). Active class participation by students is required and will be counted toward the final grade. Since this is an integrated approach, there will be laboratory assignments but no special drill sections. Classes meet five times a week. Students take GRMN 0102 as their winter term course. 5 hrs. sem. **LNG** (F. Feiereisen, N. Eppelsheimer)

## GRMN0103 Beginning German Continued (Spring 2017)

This course is a continuation of GRMN 0101 and 0102. Increased emphasis on communicative competence through short oral presentations and the use of authentic German language materials (videos, songs, slides). Introduction to short prose writings and other documents relating to contemporary German culture. Five class meetings per week. (GRMN 0101 plus winter term GRMN 0102, or equivalent) 5 hrs. lect. **LNG** (N. Eppelsheimer, F. Feiereisen)

## GRMN0111 Accelerated Beginning German (Spring 2017)

This class is aimed at students who wish to begin the study of German on the fast lane. In one semester, we will cover a year's material, the equivalent of GRMN 0101, 0102, and 0103. We will develop all four skills in an intensive, immersion-style environment, allowing students to continue German in the regular second-year classes in the fall. Classes meet five times per week, including two 75-minute meetings on Tuesdays and Thursdays, and an additional drill session. Students are expected to fully participate in all departmental activities. No prerequisites. 6 hr lect./disc./1 hr. drill **LNG** (B. Matthias)

## GRMN0201 Intermediate German (Fall 2016)

GRMN 0201/0202 is a culture-based intermediate language sequence that focuses students' attention on intercultural aspects of language acquisition, vocabulary expansion, reading and writing strategies, and a review of grammar. It moves from a focus on issues of individual identity and personal experiences to a discussion of Germany today (GRMN 0201), explores national identity in Germany, Austria, and Switzerland, and supplies an overview of cultural history, literary achievements, and philosophical traditions in the German-speaking world (GRMN 0103 or equivalent) 4 hrs. sem. **EUR, LNG** (B. Matthias, R. Graf)

## GRMN0202 Intermediate German Continued (Spring 2017)

GRMN 0201/0202 is a culture-based intermediate language sequence that focuses students' attention on intercultural aspects of language acquisition, vocabulary expansion, reading and writing strategies, and a review of grammar. It moves from a focus on issues of individual identity and personal experiences to a discussion of Germany today (GRMN 0201), explores national identity in Germany, Austria, and Switzerland, and supplies an overview of cultural history, literary achievements, and philosophical traditions in the German-speaking world (GRMN 0201) 4 hrs. sem. **EUR, LNG** (R. Graf)

## GRMN0350 Advanced Writing Workshop (Fall 2016)

With its emphasis on grammatical structures, this course is designed to develop students' writing skills, bridging the 0200-level courses and the advanced 0300 and 0400 levels. From initial sentences and short paragraphs to a final term paper the course tries to assist individual students with their specific problems with German compositions. In addition to frequent written assignments, students also read excerpts from several German papers and magazines in order to familiarize themselves with a variety of narrative styles. (Formerly GRMN 0304) 3 hrs. sem. **LNG** (N. Eppelsheimer)

## GRMN0360 German in Its Cultural Contexts (Fall 2016)

The course invites students to explore social and cultural developments in Germany from 1871 to the present day from a historical perspective. We begin by examining Germanyâs birth as a nation state and end by looking at recent events in todayâs reunified Federal Republic. The course aims to lay the foundation for a critical understanding of German culture in its contemporary global context. Writing the biographies of fictional Germans throughout the semester, students will follow the radical changes in German society during the (long) twentieth century and gain an understanding how âordinaryâ people in Germany might have lived. A montage of written and visual materials will expose students to elite, mainstream, and marginal cultures alike. Taught in German. (Formerly GRMN 0310) 3 hrs. lect. **EUR, HIS, LNG** (F. Feiereisen)

## GRMN0370 German Linguistics (in German) (Spring 2017)

This course simultaneously presents an overview of the major subfields of linguistics as they apply to the German language and a discussion of how today's Standard German evolved. We will pay attention to important concepts in phonetics/phonology, morphology, syntax, semantics, and pragmatics. In addition to these theoretical and descriptive aspects, we will discuss sociolinguistic issues such as language and gender and regional variations within Germany, Austria, Switzerland, and Luxemburg. Lectures and discussions will be conducted in German. (Formerly GRMN 0340) 3 hrs. sem. **EUR, LNG** (F. Feiereisen)

## GRMN0425 Fin-de-siÃ¨cle Vienna (Fall 2016)

Major innovations in art, architecture, music, and literature occurred in Vienna at the turn of the century. Politically the Habsburg monarchy was, unknowingly, nearing its end. Despite contributions by Gustav Klimt, Otto Wagner, Arnold SchÃ¶nberg, and Arthur Schnitzler, scholarship often viewed fin-de-siÃ¨cle Vienna as a period of decline and decay in which art and literature were characteristically apolitical. In this course an introduction to the historical, political, and cultural events of the Habsburg monarchy serves as background information through which to examine Austria-Hungaryâs literature, music, and arts around 1900. Readings will include texts by A. Schnitzler, R. Musil, H. v. Hofmannsthal, and P. Altenberg. (Formerly GRMN 0460). 3 hrs. sem. **EUR, LIT** (B. Matthias)

## GRMN0430 German Comedy (Spring 2017)

Even though the German literatures abound with comedies, humor is rarely mentioned as a German trait. In this course we will challenge the notion of âhumorâ as a universal, and examine the general ramifications that frame the comical as a cultural phenomenon. Drawing on

theoretical texts such as Freudâs *Jokes and Their Relation to the Unconscious* (1905), we will discuss the German sense of humor and its manifestations in everyday life as well as in literary representations. Readings include texts by G. E. Lessing, F. v. Kleist, H. v. Hofmannsthal, and P. SÃ¼skind. (Formerly GRMN 0338) 3 hrs. sem. **EUR, LIT** (B. Matthias)

# GRMN0500 Independent Study (Fall 2016, Spring 2017)

(Approval only)

# GRMN0700 Honors Project (Fall 2016, Spring 2017)

(Approval only)

### Global Health Minor

### What is Global Health?

Global health examines the health of communities in an interconnected world. Market forces, agricultural production, environmental changes, and foreign aid structures impact the health of people throughout the world powerfully and immediately. These health impacts are often unintended.

The field of Global Health is based in public health, a discipline with roots in both social reform movements and in science. Public health focuses on health at the population level. Public health scrutinizes the role of medicine the care of the individual in affecting the health of communities; of particular concern are peoples access to health care, the quality of that care, and the sustainability of the health system providing it.

Understanding the impacts of global forces and population-level interventions on community health requires a multidisciplinary approach. Lives are threatened or improved, lost or saved, by decisions made at the individual, family, societal, and global levels; Global Health uncovers these processes using evidence, ideas, and theories from a variety of fields.

### Why study Global Health in a liberal arts context?

A liberal arts education aims to provide students with strong critical thinking skills and a broad understanding of problems from the perspective of a variety of disciplines. Students are encouraged to cultivate social awareness and to use their skills as engaged global citizens.

Such commitment to multidisciplinary, socially aware thinking lends itself naturally to the study of global health issues. The study of Global Health

often requires understanding a given problem from a variety of disciplinary perspectives, a natural fit for the liberal arts approach. Understanding global health issues frequently involves broad interdisciplinary study of fields ranging from economics to biology to anthropology to history. In a larger academic context characterized by increasingly isolated disciplinary silos, the liberal arts are uniquely positioned to facilitate this kind of thinking.

## Why Middlebury?

The liberal arts education at Middlebury College takes place both within and outside of the classroom, both on campus and off. Global Health is a natural fit at a College whose mission statement embraces the pursuit of knowledge unconstrained by national or disciplinary boundaries. Students may enhance and apply their global health education through many resources and initiatives, such as the following:

- The Middlebury **CV Starr Schools Abroad** provide academic rigor and cultural immersion at 36 sites in 16 countries.
- The **summer Language Schools** provide intensive study in 11 languages.
- The **Programs on Creativity and Innovation** in the Liberal Arts (PCI) are designed to foster creativity and leadership to meet 21st century challenges by providing funding and workspaces to test ideas in a non-academic setting.
- **MiddCORE**, a leadership and innovation program, and the **Center for Social Entrepreneurship** foster collaboration and real-world applications of liberal arts learning by providing opportunities for creativity and problem-solving, connecting students with mentors, and providing networking opportunities.
- The **Community Engagement** programs support civic participation through local volunteer service, community-connected research, and alternative break trips.
- Global health students supplement their classroom learning by connecting with peers in various **student organizations** focused on global health, human rights, diversity, gender, and community challenges such as homelessness, affordable food, and migrant worker justice.

These opportunities permit students to integrate their liberal arts learning and apply creative thinking to real-world challenges, gaining competencies and experiences that are critical to a career in Global Health or a related field.

## Hebrew

Middlebury offers courses in both Classical and Modern Hebrew, and students may focus on one or the other in the Minor in Hebrew. (Knowledge of one stage in the history of Hebrew may complement the other; students may therefore combine the study of Classical and Modern Hebrew, within the guidelines below.) Courses taken in the summer at the Brandeis University-Middlebury School of Hebrew will be granted credit toward the minor. Courses taken elsewhere may be granted credit with the permission of the Hebrew faculty.

Students should plan the minor with following limitations in mind:

a. Beginning Modern Hebrew is offered every fall term.

b. Beginning Classical Hebrew is normally offered in alternate years with the next sequence beginning in the 2012-2013 academic year.

***Requirements for the Minor***

***Modern Track****:*
(I) Four semesters of Modern Hebrew starting at the level of HEBM 0102 or higher; plus (II) a fifth course in Modern Hebrew, or a course taken abroad in Hebrew, or a course on Hebrew literature in translation (e.g. HEBR 0220), or a course in Classical Hebrew beyond the introductory level (HEBR 0102 or higher). When appropriate, students may also register for independent study (HEBM 0500) to fulfill requirements for a course in Modern Hebrew.

***Classical Track***:
(I) Three semesters of Classical Hebrew (HEBR 0101-0102-0201 or higher); (II) either CLAS/RELI 0262 The Formation of Judaism in Antiquity or RELI 0280 Hebrew Bible/Old Testament; plus (III) either a fourth semester of Classical Hebrew (HEBR 0301 or higher) or a course in Modern Hebrew beyond the introductory level (HEBM 0102 or higher).

## HEBR0500 Independent Study (Fall 2016)

Approval required.

## HEBM0101 Introductory Modern Hebrew I (Fall 2016)

In this course students will become acquainted with the basic grammatical and formal concepts necessary for the comprehension of the Modern Hebrew language. We will focus on the fundamentals of reading, writing, listening, and speaking, with a particular emphasis placed on the acquisition of conversational ability. We will also make use of audiovisual, situational, and cultural exercises, and give attention to the elements of Classical form and style that provided a foundation for Modern Hebrew, which was revived as a vernacular in the late 19th century. No previous knowledge of Hebrew is required. 6 hrs. **LNG** (O. Zakai)

## HEBM0103 Introductory Modern Hebrew III (Spring 2017)

This course is a continuation of Modern Hebrew 0102 which will be offered during winter term. Students will further develop their skills in written and oral communication, and will expand their knowledge of the cultures of modern Israel through both audio and visual media. (HEBM 0102 or equivalent) 5 hrs. lect. **LNG** (O. Aloni)

## HEBM0201 Intermediate Modern Hebrew I (Fall 2016)

This course is a continuation of HEBM 0103. Using authentic audio and visual materials, we will place emphasis on developing the skills required for intermediate-level written and communicative competence. In addition, students will gain a deeper understanding of the forms and style of Classical Hebrew, both of which are necessary for formal composition, interaction, and reading comprehension in Modern Hebrew. (HEBM 0103 or equivalent) 5 hrs. lect/disc **LNG** (O. Aloni)

## HEBM0237 The Israeli-Palestinian Conflict in Literature and Film (Fall 2016)

The Israeli-Palestinian conflict has been the subject of diverse cultural productions from the beginning of the 20th century to the present day. In this course we will look at the representation of the conflict in Palestinian and Israeli literature and film, exploring the ways in which images, metaphors, and narratives shape and reflect political realities. The course will include the historical evolution of the conflict, and will introduce students to theoretical concepts of use in analyzing political issues through a cultural lens. We will also examine the intersections of the geo-political conflict with gender, sexuality, ethnicity and religion as represented in cinematic and literary works. Class materials will include the films, *Hill 24 Doesnât Answer*, *The Time that Remains*, *The Lemon Tree*, *The Bubble*, and *Avenge but One of My Two Eyes*, as well as works of poetry and prose by authors, Hayim Guri, Natan Aleterman, Dalia Rabikovitch, Amos Oz, Mahmood Darwish, Adania Shibli, Sayed Kashua, and Others. **AAL, CMP, CW, LIT** (O. Zakai)

## HEBM0261 The Sleeping Beauty: Themes in the Cultural and Linguistic History of the Hebrew Language (Spring 2017)

The Hebrew Language has been awakened. In this course we will explore when, where, why, and by whom was this Sleeping Beauty was revived; how both its awakening and hibernation has been connected to linguistic, cultural, and societal transformation over 25 centuries. We will examine poetry, liturgy, Midrash, and other writing by philosophers, poets, linguists, and religious leaders. We will discuss the connection of the revival of the language to the Zionist movement. Throughout the course we will try to answer questions such as: Why do we regard Hebrew as one and the same language after three millennia of constant linguistic change? Was the revival of Hebrew a miracle or a failure? How did Hebrew influence Jewish practices of exegesis? 3 hrs. lect./disc. **SOC** (O. Aloni)

## HEBM0301 Advanced Intermediate Hebrew (Fall 2016)

This course will reinforce the acquired skills of speaking, listening comprehension,reading, and writing at the intermediate to mid/high level. We will focus primarily on contemporary cultural aspects, conversational Hebrew, reading of selections from Modern Literature: prose and poetry, skits, and newspaper articles. 3 hrs. lect./disc. **AAL, LNG** (O. Aloni)

## HEBM0302 Advanced Hebrew (Spring 2017)

This course is a continuation of HEBM 0301. The course will reinforce and expand studentsâ speaking, listening comprehension, reading, and writing skills at an advanced level. We will focus primarily on contemporary cultural issues, conversational Hebrew, and reading selections from modern literature; including prose and poetry, skits, and newspaper articles. 3 hrs. lect./disc. **AAL, LNG** (O. Zakai)

## HEBM0500 Independent Project (Fall 2016, Spring 2017)

(Approval Required)

### History

***Required for the Major in History*:** Each major must take 11 history courses before graduation, including: (1) at least one but no more than three courses numbered 0100 to 0199; (2) at least one course in European history (which may include Russia/Soviet Union); (3) at least one course in United States history; (4) and at least one course in the history of Asia, Africa, Latin America, the Middle East, or Russia/Soviet Union, all to be taken at the 0200-level or higher. (A course in Russia/Soviet Union may not be used for more than one geographical area); (5) a reading seminar; (6) HIST 0600; (7) a two-term senior thesis, which counts as two of the required 11 courses.

Two of the courses required for the major must deal primarily with the period before 1800. Courses which qualify for the pre-1800 requirement are identified in the course descriptions and a list is available from the department. In addition to winter term senior thesis study, one other winter term history course may be counted toward the eleven courses necessary for a major in history. With permission of the department, up to two cognates in historical aspects of other disciplines may be counted toward a major in history.

Under extenuating circumstances, and with the written permission of the chair, one cognate course in historical aspects of other disciplines may count toward a major in history.

Students planning to spend all or part of the junior year abroad should consult with the department before the second semester of the sophomore year.

***Advanced Placement*:** Up to two AP history courses, with a grade of 4 or 5, can count toward the major requirement of 11 history courses, but cannot be used to fulfill any specific requirements listed above. Students counting AP European History may not count HIST 0103 or 0104 toward the major, and those counting AP U.S. History may not count HIST 0203 or 0204 toward the major.

***Joint Major*:** A student who is a joint major in history and another department must take a total of at least eight courses in history, chosen in consultation with a faculty advisor. Cognates are not allowed. A student must take at least one course in two of three sub-fields: Europe, North America, and AAL (Asia, Africa, Latin America, Middle East, Russia/Soviet Union), and one course in the period before 1800. The choice of courses should depend upon the need to achieve an intellectual coherence and integrity in the student's program. Joint majors must take a reading seminar and HIST 0600 and must write a two-term thesis combining the skills of both major disciplines.

***International and Global Studies Majors with Disciplinary Focus in History*:** Students must complete a 0100-level course and five other courses, including a 0400-level seminar normally taken in the senior year. The seminar and at least two other courses should be within the regional focus, and at least one course should be outside the regional focus. With the permission of the History Department Chair, up to two of these courses can be taken abroad.

***Minors in History*:** Students must take a total of five courses, including one 0100-level course, one 0200-level course and one 0400-level course. No more than two courses may be taken abroad or at another undergraduate institution. Cognate courses from other disciplines will not normally be permitted.

AP and IB credit cannot be counted towards a minor in history.

***Honors*:** To earn departmental honors, high honors*, or highest honors** a student must have at least a 3.4, 3.5*, or 3.67** average or above in history department courses other than the senior thesis, have an oral examination on the senior thesis, and receive a grade of at least B+, A-*, or A** on the thesis (HIST 0700).

***HIST 0100-Level Courses***

The 0100-level courses (0100-0199) deal with events and processes that affect human societies over long periods of time and across broad geographical areas not confined to national boundaries. These courses include components that act as introductions to the field of history.

***HIST 0200-Level Courses***
These are lecture courses that deal with a single cultural or national entity, or a clearly related group of such entities, over a substantial period of time (usually a century or more).

***HIST 0300-Level Courses***
These courses, for the most part, are topically focused courses. Many of them are lecture courses and some are taught in a seminar format. These are not, however, seminars that fulfill the reading seminar requirement.

***HIST 0400-0450 Reading Seminars***
Unlike the courses below the 0400 level, which are primarily lecture courses, these courses are reading seminars on particular periods or topics. They are open to all students, although in cases of overcrowding, history majors will be given priority. First-year students are admitted only by waiver.

***HIST 0600 Research Seminar***
All history majors are required to take HIST 0600 their junior fall or, if abroad at that time, their senior fall semester. In this course students will conceive, research, and write a work of history based on primary source material. After reading and discussion on historical methods and research strategies, students will pursue a paper topic as approved by the course professors.

***International and Global Studies Seminars***
These seminars are "capstone" courses required for the International and Global Studies major. They are thematic, interdisciplinary, cross-regional, and team-taught. Students who are not International and Global Studies majors may take these courses for departmental credit, but they will not normally fulfill the History Department major requirement of a 0400-level seminar.

***HIST 0700 Senior Independent Study***
All senior history majors will write a two-term thesis under an advisor in the area of their choosing. The department encourages students to do their theses during the fall and winter terms. Fall/spring theses are also acceptable and, with permission of the chair, winter/spring. On rare occasions, with departmental approval given for compelling reasons, a thesis may be initiated in the spring of an academic year and finished in the fall of the following year. All students beginning their thesis in a given academic year must attend the Thesis Writers' Workshops held in the fall and winter of that year. Further information about the thesis is available from the department.

# HIST0103 The Making of Europe (Fall 2016)

This course covers the history of Western Europe from the death of Caesar in 44 B.C. to the Peace of Westphalia in A.D. 1648. We will examine three interrelated themes: political authority within European society, the development of the religious culture of the West and the challenges to that culture, and the ways in which the development of a European economy contributed to the making of Europe itself. While examining these questions from the Roman Empire to early modern Europe, students will focus on the use of original sources, and on how historians interpret the past. Pre-1800. Not open to seniors. 2 hrs. lect./1 hr. disc. **EUR, HIS, SOC** (L. Burnham)

# HIST0106 Colonial Latin America (Fall 2016)

**Colonial Latin America**

In this course we will examine the formation of Latin American societies from 1492 to 1800, with emphasis on the contact of indigenous, European, and African civilizations; the conditions that facilitated European conquest; life in the colonial societies; and the political, economic, and philosophical changes that led to the independence movements of the 19th century. Pre-1800. 2 hrs. lect./1 hr. disc. (formerly HIST 0285) **AAL, HIS, SOC** (D. Davis)

## HIST0108 The Early History of Islam and the Middle East (Fall 2016)

This course is an introduction to the history of Islamic civilizations from the advent of Islam around 610 C.E. to the Ottoman conquest of Constantinople in 1453. The principal geographic areas covered are the Middle East and North Africa. Since "Islam" encompasses not simply a religion but an entire cultural complex, this course will trace the development of religious, political, economic, and social institutions in this region. Topics covered include the early Islamic conquests, the rise of religious sectarianism, gender relations, and the expansion of Islamic empires. Pre-1800. 3 hrs lect./disc. **AAL, HIS, SOC** (F. Armanios)

## HIST0110 Modern South Asia (Fall 2016)

This course is an introduction to the history of South Asia. We will examine such events as the remarkable rise and fall of the Mughal empire (1526-1700s), the transformation of the once-humble English East India Company into a formidable colonial state (1700s-1858), the emergence of nationalist and anti-imperialist movements led by people such as Mahatma Gandhi and M.A. Jinnah (1858-1947), and the establishment and recent histories of the new nations of India, Pakistan, Bangladesh, and Sri Lanka. Readings will include primary sources, history textbooks, historical novels, and newspaper articles. We will also watch at least one historical film. Pre-1800. 3 hrs. lect./disc. **AAL, HIS** (I. Barrow)

## HIST0112 Modern East Asia (Spring 2017)

In this course we will examine East Asian history from 1800 to the present. We will study the âChinese World Order,â the patterns of European imperialism that led to this orderâs demise, the rise of Japan as an imperialist power, and 20th century wars and revolutions. We will concentrate on the emergence of Japan, China, and Korea as distinct national entities and on the socio-historical forces that have bound them together and pried them apart. We will seek a broader understanding of imperialism, patterns of nationalism and revolution, and Cold War configurations of power in East Asia. 2 hrs. lect./1 hr. disc. **AAL, CMP, HIS, SOC** (M. Clinton)

## HIST0114 History of Modern Africa (Spring 2017)

We begin looking at revolutions in the early 19th century and the transformations surrounding the slave trade. Next we examine the European colonization of the continent, exploring how diverse interventions into Africans' lives had complex effects on political authority, class and generational dynamics, gender relations, ethnic and cultural identities, and rural and urban livelihoods. After exploring Africans' struggles against colonial rule in day-to-day practices and mass political movements, the last few weeks cover Africa's transition to independence and the postcolonial era, including the experience of neo-colonialism, ethnic conflict, poverty, and demographic crisis. (formerly HIST 0226) 2 hrs. lect., 1 hr. disc. **AAL, HIS, SOC** (J. Tropp)

## HIST0116 Music, Power, and Resistance in World History (Spring 2017)

In this course we will examine the conflicting relationship between music, power, and resistance in world history. Beginning with ancient Greece, we will discuss the relationship between music and power in a wide range of cultural and historical contexts, including musicâs relation to religious power (Christianity, Judaism, Islam), political power (China, Europe, North and South America, Africa), and social power (gender, ethnicity, class). Questions of state censorship, propaganda, and musical expressions of dissent will be highlighted, as well as the interconnection between aesthetic choices, social status, and political views. Musical sources will range from classical to popular forms. No prior musical training required. 3 hrs. lect./disc. **ART, CMP, HIS** (R. Mitchell)

## HIST0132 History of Rome (Fall 2016)

This course is an introductory survey of Roman history, from the emergence of the Republic to the influence of Rome on the western world. In the first half of the course we will study the origins of Rome's rise to dominance, the conquest of the Mediterranean and its effect on Roman society, and the crumbling of political structures under the weight of imperial expansion. In the second half, we will study the empire more broadly, starting with the emperors and moving out to the daily lives of people around the Mediterranean. The course will end with the importance of Rome for the Founding Fathers. We will read from authors including Polybius, Plutarch, Appian, Caesar, Suetonius, Tacitus, Juvenal, and Pliny. 2 hrs. lect./1 hr. disc. **EUR, HIS, LIT** (J. Chaplin)

## HIST0170 Religion in America (Fall 2016)

America often has been defined paradoxically as both the "most religious" and "least religious" of nations. This course, a historical survey of American religious life, will trace the unique story of American religion from colonial times to the present. Guiding our exploration will be the ideas of "contact," "conflict," and "combination." Along the way, we will examine the varieties of religious experiences and traditions that have shaped and been shaped by American culture such as, Native American traditions, Puritan life and thought, evangelicalism, immigration, African-American religious experience, women's movements, and the on-going challenges of religious diversity. Readings include sermons, essays, diaries and fiction, as well as secondary source material. 2 hrs. lect. 1 hr. disc. **HIS, NOR, PHL** (E. Rochford)

## HIST0206 The United States and the World Since 1898 (Fall 2016)

This course serves as an introduction to the history of American foreign relations from the Spanish-American War of 1898 to the turn of the 21st century. Through lectures, discussions, and a variety of readings, we will explore the multi-dimensional nature of the nation's rise to power within the global community, as well as the impact of international affairs upon American society. In addition to formal diplomacy and foreign policy, this course addresses topics such as immigration, cultural exchange, transnationalism, and globalization. 2 hrs. lect./1 hr. disc. **HIS, NOR** (J. Mao)

## HIST0212 Civil War and Reconstruction: 1845-1890 (Spring 2017)

This course explores the era of the American Civil War with an emphasis on the period 1861-1865. It combines lectures, readings, class discussion, and film to address such questions as why the war came, why the Confederacy lost, and how the war affected various elements of society. We will also explore what was left unresolved at the end of the war, how Americans responded to Reconstruction, and how subsequent generations have understood the meaning of the conflict and its legacy. We will make a special effort to tie military and political events to life on the home front. (formerly HIST 0364) 2 hrs. lect./1 hr. disc. **HIS, NOR** (A. Morsman)

## HIST0215 America, 1955-1991 (Spring 2017)

**Twentieth-Century America, 1960-2000**
This course concentrates on the history of the United States from the emergence of JFK's New Frontier until the eve of September 11, 2001. In particular, we will focus on the ways in which domestic development shaped America's place within the international community, and vice versa. Topics to be considered include: the rise and fall of the post-1945 social welfare state, decolonization and the Vietnam War, increasing American investment in the Middle East, the emergence of the "New Right," the end of the Cold War, and globalization and its contexts. (formerly HIST 0368) 2 hrs. lect., 1 hr. disc. **HIS, NOR** (J. Mao)

## HIST0216 History of the American West (Spring 2017)

This is a survey of the history of the trans-Mississippi West from colonial contact through the 1980s. It explores how that region became known and understood as the West, and its role and meaning in United States history as a whole. The central themes of this course are conquest and its legacy, especially with regard to the role of the U.S. federal government in the West; human interactions with and perceptions of landscape and environment; social contests among different groups for a right to western resources and over the meanings of western identity; and the role of the West in American popular culture. (formerly HIST/AMST 0374) 2 hrs. lect., 1 hr. disc. **HIS, NOR, SOC** (K. Morse)

## HIST0222 United States Environmental History: Nature and Inequality (Fall 2016)

In this course we will study the interactions between diverse groups and their physical environments to understand how humans have shaped and in turn been shaped by the material world. Topics include: ecological change with European conquest; industrialization and race and class differences in labor, leisure, and ideas of ânatureâ; African American environments South and North; the capitalist transformation of the American West, rural and urban; Progressive conservation and its displacement of Native Americans and other rural groups; chemical- and petroleum-based technologies and their unexpected consequences; and the rise of environmentalism and its transformation by issues of inequality and justice. 3 hrs. lect./disc. **HIS, NOR** (K. Morse)

## HIST0231 Imperial China (Spring 2017)

Chinaâs is the worldâs oldest continuous civilization, and we will survey the history of the Chinese empire from its cultural beginnings until the conflicts with the West in the 1840s and the internal unrest of the 1850s and 1860s. Our study of Chinaâs political progression through successive dynasties will reveal archetypal patterns of historical disruption amidst continuity. We will also examine those perennial social, institutional, and intellectual forces â such as the stratification of the classes, the absolutist tendencies of monarchy, and the civilly-focused yet competitive atmosphere fostered by a state-sponsored examination culture â that proved determinative in shaping Chinaâs traditional development. **AAL, HIS, SOC** (D. Wyatt)

## HIST0232 Modern China (Fall 2016)

In this course we will examine the history of China from the early 19th century through the end of the Maoist period. Readings, lectures, and discussions will familiarize students with the cultural and social structures of the late Qing Empire, patterns of semi-colonialism, the rise of nationalist, feminist, and Marxist movements, and key events in the Peopleâs Republic of China. Students will emerge from the class with a broader understanding of forms of empire and imperialism, anti-colonial nationalism, non-Western Marxism, and the tendencies of a post-socialist state. 2 hrs. lect., 1 hr. disc. **AAL, HIS, SOC** (M. Clinton)

## HIST0235 History of Pre-Modern Japan (Fall 2016)

In this course we will explore the social, cultural, and institutional history of Japan from the eighth century up through the rise of the Tokugawa shogunate in the 17th century. The course is organized thematically to illuminate the different periods of Japanese history, including the imperial origin myth and Heian culture, the frontier and the rise of samurai government, localism and the warring states period, and finally the Tokugawa settlement and the paradoxes of centralized feudalism. Pre-1800. 3 hrs. lect/disc. **AAL, HIS, SOC** (M. Ward)

## HIST0236 History of Modern Japan, 1800-1952 (Spring 2017)

This course reviews the major events and enduring questions of modern Japanese history beginning with the Meiji Restoration (1868) up through the Allied Occupation (1945-1952) following Japanâs defeat in World War II. Through a variety of materials, including novels, philosophy, historical essays, and films, we will explore the formation of the modern Japanese nation-state, the âinvention of traditionâ in constructing a modern national identity, Japanâs colonial incursions into East Asia, 1920s mass culture, the consolidation of fascism in the 1930s, and the transwar legacies of early postwar Japan. We will pay particular attention to the relationship between transformations within Japan and larger global trends. **AAL, HIS, SOC** (M. Ward)

## HIST0237 Chinese Philosophy (Fall 2016)

A survey of the dominant philosophies of China, beginning with the establishment of the earliest intellectual orientations, moving to the emergence of the competing schools of the fifth century B.C., and concluding with the modern adoption and adaptation of Marxist thought. Early native alternatives to Confucian philosophy (such as Mohism, Daoism, and Legalism) and later foreign ones (such as Buddhism and Marxism) will be stressed. We will scrutinize individual thinkers with reference to their philosophical contributions and assess the implications of their ideas with

reference to their historical contexts and comparative significance. Pre-1800. 3 hrs. lect./disc. **AAL, HIS, PHL** (D. Wyatt)

## HIST0240 History of Pakistan (Spring 2017)

This course is a political and cultural history of Pakistan. Topics to be discussed include: the pre-independence demand for Pakistan; the partitioning of India in 1947; literary and cultural traditions; the power of the army in politics; the civil war that created Bangladesh; the wars with India; the wars in Afghanistan; the rise of Islamist parties and militant groups; the significance of the Taliban and al Qaeda; and Pakistan's relations with the US, China and India. Readings will include histories, autobiographies, novels, and newspaper and magazine accounts. Several documentary films will also be shown. 3 hrs. lect./disc. **AAL, HIS** (I. Barrow)

## HIST0242 Europe in the High Middle Ages (Spring 2017)

This course covers the development and expansion of Western European civilization from approximately 1050 to 1300. This period witnessed the rise of towns, commerce, universities, and cathedrals, as well as important developments in the areas of politics, philosophy, and Western culture. Together, these achievements represent a fundamental shift in Western Europe from an impoverished, besieged society to a dynamic civilization that established the institutions and assumptions on which the modern West is based. The goal of this class is to view these achievements of medieval Europe in their own context, with appreciation of the methodological problems presented by medieval sources. Pre-1800. **EUR, HIS, SOC** (L. Burnham)

## HIST0247 Russia: Tsars, Tsarinas, and Terrorists (Fall 2016)

In this course we will follow Russiaâs development, expansion and transformation from its earliest beginnings to the revolutionary cataclysms of the early 20th century. How and why did Russia come to dominate a vast Eurasian space? How did Russiaâs Tsars and Tsarinas exert control over diverse cultures, languages, religions and peoples? What impact did this have on the lives of their subjects? How was Russian identity defined within the context of a multi-ethnic, multi-confessional empire? Central themes will include political governance, imperial expansion, ethnic relations, religious identity, social upheaval, and the emergence of the radical *intelligentsia*. 3 hrs lect./disc. **AAL, HIS** (R. Mitchell)

## HIST0248 The Soviet Experiment (Spring 2017)

The Soviet Experiment*
In this course we will explore the Soviet attempt to forge a fundamentally new means of human life. Starting with the revolutionary movement of the early 20th century, we will examine the development and ultimate downfall of the USSR. How and why did the Soviet Union emerge? What was Soviet communism (both in idea and in practice)? How did internal and external factors (political, social, economic) transform Soviet policy and life? Was the collapse of the USSR inevitable? Special attention will be paid not only to political leaders, but also to ordinary people (as believers, collaborators, victims, dissidents, and outcasts). 3 hrs lect./disc. **AAL, HIS** (R. Mitchell)

## HIST0288 Modern Brazil (Spring 2017)

Brazil is the Portuguese-speaking power of Latin America. In this course we will study the history of modern Brazil from independence to the present day, and discuss the contemporary developments that have transformed Brazil into an international force today. We will pay close attention to the construction of national institutions and culture in the 19th and 20th centuries. We will examine the major political, economic, and cultural movements that defined Brazilian history during the empire, the first republic, the Vargas era, and the military dictatorship. We will conclude with a look at Brazil's representative democracy from the 1980s to the present. (formerly HIST 0211) 3 hr. lect. **AAL, HIS** (D. Davis)

## HIST0303 Oil, Opium, and Oligarchs: Modern Asian Empires (Spring 2017)

In this course we will examine dynamics and legacies of imperialism in East and Southeast Asia from the nineteenth century through the present. We will consider the role of opium in securing British influence, the rise of Japan as an imperialist power, struggles to control regional markets and natural resources, and Chinaâs expansionist efforts past and present. By engaging with novels, films, treaties, and historical scholarship, class participants will gain a broad understanding of empires and imperialism, and how this heritage continues to inform Pacific-regional relations. Not open to students who have taken IGST/HIST 0475. 3 hrs. lect./disc. **AAL, HIS** (M. Clinton)

## HIST0304 Writing Transnational Lives (Fall 2016)

How do we write the history of a transnational family, immigrant or exile group? How is biography different from history? In this seminar we will answer these questions by consulting thinkers such as Arendt, Bourdieu, and Gramsci. As case studies we will study examples such as Jewish and Lebanese immigrants, Latin American exiles, and Americans abroad, among others. With the aid of primary and secondary sources, oral history, and genealogy, students will be encouraged to write transnational biographies and histories of their choosing. We will create diverse types of biographies including family trees and obituaries. Students will choose a final research project in consultation with the professor. 3 hrs. lect./disc. **CMP, HIS, SOC** (D. Davis)

## HIST0305 Confucius and Confucianism (Spring 2017)

Perhaps no individual has left his mark more completely and enduringly upon an entire civilization than Confucius (551-479 B.C.) has upon that of China. Moreover, the influence of Confucius has spread well beyond China to become entrenched in the cultural traditions of neighboring Japan and Korea and elsewhere. This course examines who Confucius was, what he originally intended, and how the more important of his disciples have continued to reinterpret his original vision and direct it toward different ends. Pre-1800. (formerly HIST/PHIL 0273) 3 hrs. lect./disc. **AAL, HIS, PHL** (D. Wyatt)

## HIST0312 Tokyo: Between History and Utopia (Spring 2017)

In this course we will explore the history of Tokyoâfrom its "prehistory" as a small castle town in

the 16th century to the cosmopolitan metropolis of the 20th centuryâand trace how Tokyo has captured the imagination as a space of possibility, of play, and for many, of decadence. Through a range of sources, including films, novels, ethnographies, and historical essays, we will use Tokyo as a "site" (both urban and ideological) through which to explore broader questions related to capitalist modernity, the formation of the nation-state, cultural identity, gender politics, and mass-culture. 3 hrs. sem. **AAL, HIS, SOC** (M. Ward)

## HIST0319 Readings in the Philosophy of History (Fall 2016)

Even before the appearance of Georg W. F. Hegel's classic study The Philosophy of History, a heated debate was being waged concerning the nature and substance of history. Is history, like science, expressible in predictable patterns or subject to irrevocable laws? What factors distinguish true history from the mere random succession of events? What should we assume to be the fundamental nature of historical truth, and are we to determine it objectively or subjectively? Is it possible to be human and yet be somehow "outside of" history? These are among the questions we will examine as we read and deliberate on a variety of philosophies of history, while concentrating on the most influential versions developed by Hegel and Karl Marx. 3 hrs. sem. **EUR, HIS, PHL** (D. Wyatt)

## HIST0369 The East India Company (Fall 2016)

In this course you will be introduced to the English East India Company, from the 17th-century until its dissolution in 1858. Much of our focus will be on the Companyâs presence in India, and we will pay particular attention to its transformation from a maritime trading company into a territorial colonial state. We will read a number of controversial texts from the period, immerse ourselves in the worlds of Company and Indian politics, and do guided research using holdings in Middleburyâs Special Collections. Topics will include the rise of the Company as a trading concern, its aggressive competition with other European trading monopolies and South Asian kingdoms, and the importance of opium in its dealings with China. We will end with a discussion of the Indian rebellion of 1857. (Not open to students who have taken FYSE 1308 or HIST 1009) **AAL, HIS** (I. Barrow)

## HIST0373 History of American Women: 1869-1999 (Fall 2016)

This course will examine women's social, political, cultural, and economic position in American society from 1869 through the late 20th century. We will explore the shifting ideological basis for gender roles, as well as the effects of race, class, ethnicity, and region on women's lives. Topics covered will include: women's political identity, women's work, sexuality, access to education, the limits of "sisterhood" across racial and economic boundaries, and the opportunities women used to expand their sphere of influence. 3 hrs lect./disc. **CMP, HIS, NOR** (A. Morsman)

## HIST0395 Mad Men and Mad Women (Spring 2017)

âMad Men and Mad Womenâ*
Are you a Don, a Roger, or a Pete? A Betty, a Peggy or a Joan? Using AMC's *Mad Men* as a visual and narrative foundation, we will examine masculinity and femininity in mid-20th century

America. We will focus specifically on the connections between postwar mass communication and formation of gender roles, consumption, and cultural expectations. Our inquiry will then extend to recent discussions regarding the politics of historical representation. In addition to the television series, we will use a variety of both primary and secondary sourcesâincluding novels, magazines, sociological studies, and scholarly monographsâto achieve a multi-dimensional perspective. (Not open to students who have taken HIST 1017) 3 hrs. sem. **HIS, NOR, SOC** (J. Mao)

## HIST0415 Readings in American History: The Protest Impulse (Spring 2017)

An exploration of the protest impulse in American history, with particular attention given to the American Revolutionaries, Populists, and Civil Rights activists. Among the key questions to be explored are: What are the principal causes of insurgency? What is the relationship between a leader and a protest movement? Is there an American protest tradition? Why are some insurgent groups more successful than others? As these questions are discussed, we will examine the qualities of good scholarship, the role of theory in history, and the influence of political commitments on the shaping of interpretation. (formerly HIST 0410) 3 hrs. sem **HIS, NOR** (J. Ralph)

## HIST0433 Latin America in the 1960s (Spring 2017)

Latin America was at the center of the Cold War in the 1960s. U.S. intervention and military repression contrasted with Marxist and national utopian visions for peace and social justice. This seminar will explore the causes, impact, and legacy of these tensions by examining student protests, guerilla warfare, liberation theology, and calls for womenâs and minority rights. We will study the influence of personalities such as Che Guevara, Abdias do Nascimento, and the Mirabel sisters, and highlight the new revolutionary aesthetics in art and music in the New Song and film. We will also uncover the links with similar movements in the United States and Europe. 3 hrs. sem. **AAL, HIS, SOC** (D. Davis)

## HIST0440 Islam and Human Rights (Spring 2017)

Modern human rights formulations and Islamic legal prescriptions both make universal and, at times, conflicting claims. In this course, we consider various attempts by religious and legal scholars to reconcile such tensions through assessing and reinterpreting Islamic sources with reference to contemporary human rights principles. We explore international human rights charters and declarations as well as Islamic jurisprudential interpretations and legal practices, paying special attention to questions of religious freedom, minority and womenâs rights, and gender identity. Readings and student projects emphasize course themes through individual case studies drawn from varied settings. 3 hrs. sem. **CMP, HIS, PHL** (F. Armanios)

## HIST0443 Readings in African History: Women and Gender in Africa (Spring 2017)

This course takes up the challenge of understanding women's experiences and the role of gender in Africa's past. We will read from a wide variety of disciplinary perspectives and literary forms, including ethnographies, life histories, and fiction, in order to explore different

methodological and interpretive approaches to these subjects. Themes will include: changes in the structure of patriarchy and women's status in the pre-colonial period, the gendered impact of colonial rule on African economies and ecologies, historical identities of masculinity and femininity, and gendered experience of postcolonial "development." Prior experience in African history is not required. (formerly HIST/WAGS 0421) 3 hrs. seminar **AAL, HIS** (J. Tropp)

## HIST0444 The New West: From Reagan to Burning Man (Fall 2016)

The U.S. West since 1976 has been transformed by economic, social, political, and environmental forces. Immigration, amenity tourism, climate change, globalization, technology, political change, and economic booms and busts have remade a region once defined by isolated rural communities, extractive industries, ânatural landscapes,â and filmmakersâ imaginations. In this course we will draw from history and politics to make sense of conflicts over public lands, water, fire, energy, Native sovereignty, racial inequality, rural gentrification, urbanization, and sprawl. Short papers will culminate in a historical policy brief on current challenges in the West. (ENVS 0211 or ENVS 0215 or HIST 0216) 3 hrs. sem. **NOR** (C. Klyza, K. Morse)

## HIST0472 Buddhist/Christian Monasticism (Spring 2017)

âThe Religious Lifeâ: Buddhist and Christian Monastic Traditions Compared*
Both Buddhism and Christianity include traditions of monasticism, of men and women leaving home for âthe religious life.â In this course, we will study and compare Buddhist and Christian monasticism from historical and religious perspectives. We will read primary sources, from the Life of St. Anthony and the Rule of St. Benedict to the verses attributed to the first Buddhist nuns and a Zen monastic code. We will examine monastic vocation, the integration of monasteries into society, and the adaptation of monasticism to different cultures. Throughout, we will highlight the role of gender. We will conclude with attention to contemporary manifestations of monastic culture. This course is equivalent to INTL 0472 and RELI 0472. 3 hr sem. **CMP, HIS, PHL** (L. Burnham, E. Morrison)

## HIST0479 Pacific Century: Chinese-American Relations, 1898-Present (Fall 2016)

In this course we will examine the multi-faceted nature of relations between China and the United States from the late 19th century through the present. Topics will include US imperialism in the Pacific, shifting dynamics of American orientalism, wartime diplomacy, the immigrant experience, and varying ways in which Communist China has challenged American military and economic power over the last sixty years. We will pay particular attention to how this âspecialâ relationship shaped each nationâs development relative to the other. In addition to scholarly analyses, course materials will include memoirs, political tracts, travelogues, and Hollywood films. 3 hrs. sem. **CMP, HIS** (M. Clinton, J. Mao)

## HIST0500 Special Research Projects (Fall 2016, Spring 2017)

Special research projects during the junior year may be used to fulfill the research seminar requirements in some cases. Approval of department chair and project advisor is required.

# HIST0600 History Research Seminar (Fall 2016)

All history majors who have not taken a writing and research seminar are required to take HIST 0600 in their junior fall or, if abroad at that time, their senior fall semester. In this course, students will conceive, research, and write a work of history based on primary source material to the degree possible. After reading and discussion on historical methods and research strategies, students will pursue a paper topic as approved by the course professors. HIST 0600 is also open to International Studies and Environmental Studies majors with a disciplinary focus in history. 3 hr. sem (I. Barrow, L. Burnham, A. Morsman)

# HIST0700 Senior Independent Study (Fall 2016, Spring 2017)

The History Senior Thesis is required of all majors. It is written over two terms, with the final grade applying to both terms. The project is generally begun in the fall and completed during winter or spring. Approval is required to begin the thesis in winter or spring, and such students must still attend the Thesis Writer's Workshops that take place in fall and winter.

### History of Art & Architecture

# Art History and Museum Studies

**Required for the Major, History of Art Track (11 courses)**: HARC 0100 (Monuments and Ideas in Western Art); HARC 0102 (Monuments and Ideas in Asian Art) or another course in non-Western art and architecture; one course in studio art or HARC 0120 (DesignLab) or HARC 0130 (Intro to Architectural Design); HARC 0301 (Ways of Seeing; sophomore or junior year; prerequisite for HARC 0710 and HARC 0711); at least five additional courses in the history of art or architecture distributed among several historical periods or traditions, with at least one being at the 0300-level or above; HARC 0710 (Senior Thesis Research Seminar, fall of senior year); HARC 0711 (Senior Thesis, winter term senior year). Advisory: Graduate programs in the history of art and classical archaeology require students to pass reading examinations in at least two foreign languages. Students can improve job prospects by acquiring practical experience, such as internships or participation in the Museum Assistants Program (MAP).
**Joint Major, History of Art Track (eight courses)**: HARC 0100 (Monuments and Ideas in Western Art ); HARC 0102 (Monuments and Ideas in Asian Art) or another course in non-Western art and architecture; HARC 0301 (Ways of Seeing; sophomore or junior year; prerequisite for HARC 0710 and HARC 0711); three additional courses in the history of art or architecture distributed among several historical periods or traditions, one of which should be at the 0300-level or above; HARC 0710 (Senior Thesis Research Seminar, fall of senior year); HARC 0711 (Senior Thesis, winter term of senior year). A proposed program of study, including educational rationale and specific courses to be taken, must be submitted to the department for approval before registering as a joint major.
**Minor, History of Art Track (six courses):** HARC 0100 (Monuments and Ideas in Western Art); HARC 0102 (Monuments and Ideas in Asian Art) or another course in non-Western art and architecture; four additional courses in the history of art or architecture distributed among several historical periods or traditions.

**Requirements for the Major, Museum Studies Track (11 courses)**: HARC 0100 (Monuments and Ideas in Western Art); HARC 0102 (Monuments and Ideas in Asian Art) or

another course in non-Western art and architecture; HARC 0248; HARC 0301; HARC 0540 (MAP Participation for credit), or a pre-approved internship, or a pre-approved independent project (HARC 0510) if a suitable faculty member is available to supervise it; HARC 0710; HARC 0761; four additional courses in history of art or architecture distributed among several historical periods or traditions, with at least one being at the 0300-level or above.
**Joint Major, Museum Studies Track (eight courses)**: HARC 0100 or HARC 0102; HARC 0248; HARC0 0301; HARC 0540, or an approved internship, or a pre-approved independent project (HARC 0510); HARC 0710; HARC 0761; Two electives in HARC to be selected in consultation with the advisor.
**Minor, Museum Studies Track (six courses):** HARC 0100 or HARC 0102; HARC 0248; HARC 0301; HARC 0540 or an approved internship; Two HARC electives to be selected in consultation with the advisor.
**Honors**: Honors are awarded to students with a GPA** of 3.5 and a thesis grade of B+ or higher; high honors to students with a GPA of 3.7 and a thesis grade of A- or A; and highest honors to students with a GPA of 3.8 and a thesis grade of A.
** The History of Art + Architecture GPA is calculated on the basis of those courses that satisfy or could potentially satisfy the requirements for the major. Only courses taken on the Middlebury College campus and applied towards the major will be used in the calculation of GPA for purposes of determining honors. Study abroad and transfer courses will not be used.
**Please note**: Courses offered by other departments and programs may, by prior departmental approval, be used to satisfy elective requirements.

**Architectural Studies Program**
**Required for the Major, Architectural Studies Track (11 courses)**: HARC 0100 (Monuments and Ideas in Western Art); HARC 0102 (Monuments and Ideas in Asian Art) or another course in non-Western art and architecture; HARC 0120 (DesignLab) or another approved course in studio art, theatre set or lighting design, or dance; HARC 0130 (Introduction to Architectural Design); HARC 0230 (Modern Architecture); HARC 0330 (Intermediate Architectural Design), or a pre-approved substitute taken off-campus; three additional courses that deal with architectural history, urbanism, or contemporary visual culture; and HARC 0731 (Thesis in Architectural Studies: Research) and HARC 0732 (Thesis in Architectural Studies: Design), open only to HARC majors and joint majors, to be taken sequentially. Advisory: This major track does not result in a professional degree in architecture. Many graduate architecture schools expect applicants to have taken a survey of modern architecture as well as college-level courses in calculus and physics.
**Joint Major, Architectural Studies Track (eight courses)**: HARC 0100 (Monuments and Ideas in Western Art); HARC 0102 (Monuments and Ideas in Asian Art) or another course in non-Western art and architecture; HARC 0130 (Introduction to Architectural Design); HARC 0230 (Modern Architecture); HARC 0330 (Intermediate Architectural Design), or a pre-approved substitute taken off-campus; one additional course that deals with architectural history, urbanism, or contemporary visual culture; and HARC 0731 (Thesis in Architectural Studies: Research) and HARC 0732 (Thesis in Architectural Studies: Design), open only to HARC majors and joint majors, to be taken sequentially. A proposed program of study, including educational rationale and specific courses to be taken, must be submitted to the department for approval before registering as a joint major. Advisory: This joint major track does not result in a professional degree in architecture. Many graduate architecture schools expect applicants to have taken a survey of modern architecture as well as college-level courses in calculus and physics.
**Joint Major, Architectural Studies/ Environmental Studies "Architecture and the Environment" (15 courses)**: ENVS 0112, ENVS 0211, ENVS 0215, and GEOG 0120, all to be taken before the end of junior year; two ES Cognate Courses (both science courses with labs,

listed under Environmental Studies); HARC 0100; HARC 0130; HARC 0230; HARC 0231; HARC 0330 or a pre-approved substitute to be taken off-campus; one additional course that deals with architectural history, urbanism, or contemporary visual culture; ENVS 0401; and HARC 0731 (Thesis in Architectural Studies: Research) and HARC 0732 (Thesis in Architectural Studies: Design), open only to HARC majors and joint majors, to be taken sequentially. Advisory: This joint major track does not result in a professional degree in architecture. Many graduate architecture schools expect applicants to have taken a survey of modern architecture as well as college-level courses in calculus and physics.

**Minor, Architectural Studies (five courses)**: HARC 0100 (Monuments and Ideas in Western Art); HARC 0102 (Monuments and Ideas in Asian Art) or another course in non-Western art and architecture; HARC 0130 (Introduction to Architectural Design); HARC 0230 (Modern Architecture); and HARC 330 (Intermediate Architectural Design) or a pre-approved substitute taken off-campus. Advisory: many graduate architecture schools expect applicants to have taken calculus, physics, and a survey of modern architecture.

**Honors**: Honors in all tracks are awarded to students with a GPA** of 3.5 and a thesis grade of B+ or higher; high honors to students with a GPA of 3.7 and a thesis grade of A- or A; and highest honors to students with a GPA of 3.8 and a thesis grade of A.

** The History of Art + Architecture GPA is calculated on the basis of those courses that satisfy or could potentially satisfy the requirements for the major.

## Architectural Studies Program

***Required for the Major, Architectural Studies Track (11 courses)***: HARC 0100 (Monuments and Ideas in Western Art); HARC 0102 (Monuments and Ideas in Asian Art) or another course in non-Western art and architecture; HARC 0120 (DesignLab) or another approved course in studio art, theatre set or lighting design, or dance; HARC 0130 (Introduction to Architectural Design); HARC 0230 (Modern Architecture); HARC 0330 (Intermediate Architectural Design), or a pre-approved substitute taken off-campus; three additional courses that deal with architectural history, urbanism, or contemporary visual culture; and HARC 0731 (Thesis in Architectural Studies: Research) and HARC 0732 (Thesis in Architectural Studies: Design), open only to HARC majors and joint majors, to be taken sequentially. *Advisory: This major track does not result in a professional degree in architecture. Many graduate architecture schools expect applicants to have taken a survey of modern architecture as well as college-level courses in calculus and physics.*

***Joint Major, Architectural Studies Track (eight courses)***: HARC 0100 (Monuments and Ideas in Western Art); HARC 0102 (Monuments and Ideas in Asian Art) or another course in non-Western art and architecture; HARC 0130 (Introduction to Architectural Design); HARC 0230 (Modern Architecture); HARC 0330 (Intermediate Architectural Design), or a pre-approved substitute taken off-campus; one additional course that deals with architectural history, urbanism, or contemporary visual culture; and HARC 0731 (Thesis in Architectural Studies: Research) and HARC 0732 (Thesis in Architectural Studies: Design), open only to HARC majors and joint majors, to be taken sequentially. A proposed program of study, including educational rationale and specific courses to be taken, must be submitted to the department for approval before registering as a joint major. *Advisory: This joint major track does not result in a professional degree in architecture. Many graduate architecture schools expect applicants to have taken a survey of modern architecture as well as college-level courses in calculus and physics.*

***Joint Major, Architectural Studies/ Environmental Studies "Architecture and the Environment" (15 courses)***: ENVS 0112, ENVS 0211, ENVS 0215, and GEOG 0120, all to be taken before the end of junior year; two ES Cognate Courses (both science courses with labs,

listed under Environmental Studies); HARC 0100; HARC 0130; HARC 0230; HARC 0231; HARC 0330 or a pre-approved substitute to be taken off-campus; one additional course that deals with architectural history, urbanism, or contemporary visual culture; ENVS 0401; and HARC 0731 (Thesis in Architectural Studies: Research) and HARC 0732 (Thesis in Architectural Studies: Design), open only to HARC majors and joint majors, to be taken sequentially. *Advisory: This joint major track does not result in a professional degree in architecture. Many graduate architecture schools expect applicants to have taken a survey of modern architecture as well as college-level courses in calculus and physics.*

***Minor, Architectural Studies (five courses)***: HARC 0100 (Monuments and Ideas in Western Art); HARC 0102 (Monuments and Ideas in Asian Art) or another course in non-Western art and architecture; HARC 0130 (Introduction to Architectural Design); HARC 0230 (Modern Architecture); and HARC 330 (Intermediate Architectural Design) or a pre-approved substitute taken off-campus. *Advisory: many graduate architecture schools expect applicants to have taken calculus, physics, and a survey of modern architecture.*

***Honors***: Honors in all tracks are awarded to students with a GPA** of 3.5 and a thesis grade of B+ or higher; high honors to students with a GPA of 3.7 and a thesis grade of A- or A; and highest honors to students with a GPA of 3.8 and a thesis grade of A.

** The History of Art + Architecture GPA is calculated on the basis of those courses that satisfy or could potentially satisfy the requirements for the major.

## HARC0100 Monuments and Ideas in Western Art (Fall 2016, Spring 2017)

This course is an introduction to the study of Western art history through an investigation of selected art works, considered individually and in broader contexts. The course chronicles the evolution in painting, sculpture, and architecture of the western world. It is designed for those who wish to build a broad acquaintance with the major works and ideas of Western art in their historical settings and to develop tools for understanding these works of art as aesthetic objects and bearers of meaning for the societies, groups, or individuals that produced them. Registration priority will be given to first and second year students. 2 hrs. lect./1 hr. disc. **ART, EUR, HIS** (Fall 2016: P. Broucke; Spring 2017: C. Anderson)

## HARC0102 Monuments and Ideas/Asian Art (Fall 2016)

Monuments and Ideas in Asian Art*

This course is an introduction to the study of Asian art history through an investigation of selected art works, considered individually and in broader contexts. This course chronicles the evolution in painting, sculpture, and architecture, and other media of Asia. It is designed for those who wish to build a broad acquaintance with the major works and ideas of Asian art in their historical settings and to develop tools for understanding these works of art as aesthetic objects and bearers of meaning for the societies, group, or individuals that produced them. Registration priority given to first and second year students. 2 hrs. lect./1 hr. disc.. **AAL, ART, CMP, HIS** (S. Laursen)

## HARC0120 DesignLab: Creating Innovation (Fall 2016)

In this course students will explore the fundamental principles of design thinking and creative innovation. We will pursue all aspects of the design process, from discerning opportunities and researching solutions to developing concepts and generating prototypes. We will explore design

approaches from the renowned Bauhaus to those offered today by digital development and fabrication, including 3-D printing. Students will participate in workshops, conduct individual projects, work in teams, and make presentations on implementing their designs. We will also engage in discussions of how their designs affect the environmental and ethical aspects of our increasingly global and digital world. 3 hrs. lect **ART** (M. Lopez Barrera)

# HARC0130 Intro. to Architectural Design (Fall 2016, Spring 2017)

## Fall 2016

**Introduction to Architectural Design**
This is a studio course that introduces its members to the values and methods used in the practice of architecture, landscape architecture, and environmental art. A daily journal and intensive group and individual work within the studio space are requirements. This course demands an exceptionally high commitment of time and energy. The course's goals are to use the process of design to gain insight regarding individual and community value systems, and to provide basic experience in the design professions. It is recommended for anyone wishing to improve his or her appreciation for the built environment. Students should anticipate that substantial additional time will be required in the studio in addition to the scheduled class time. 6 hrs. lect./lab **ART, WTR** (A. Kerz-Murray)

## Spring 2017

Introduction to Architectural Design*
Are you fascinated by buildings and interested in trying your hand at architectural design? This course will introduce you to principles of architecture and teach you the skills architects use to explore and communicate design ideas. We will consider urban and rural settings, sustainability, energy efficiency, functionality, comfort, and the role architecture plays in shaping community. Classroom instruction by a practicing architect will provide hands-on drawing, model-making, and materials research as well as field trips to see innovation in the works, including house tours (both in construction and finished). Students will work in teams and individually to analyze existing buildings and design their own. Students seeking to improve their understanding of the built environment are encouraged to take this course. No prior experience is needed. **ART, WTR** (J. McLeod)

# HARC0201 Italian Renaissance Art: 1350-1550 (Fall 2016)

This course will focus on the art produced in Italy during the late fourteenth through the early sixteenth centuries. In addition to studying the chronological development of painting, sculpture, and architecture, we will consider such issues as artistic training, patronage, domestic life, and the literary achievements of this period of "rebirth." Focusing on urban environments such as Florence, Siena, Padua, Venice, Rome, and Urbino, we will give special attention to the manner in which artistic production was shaped by place. 3 hrs. lect. **ART, EUR, HIS** (K. Smith Abbott)

# HARC0214 Northern Renaissance Art: The Rhetoric of the Real (Spring 2017)

This course will provide students with an overview of art objects created in a variety of media in Northern Europe between the 15th and 16th centuries. We will analyze the changing uses of art in cultures where people defined themselves and the depths of their piety in relation to their material wealth and social standing. During the last few weeks of the semester, the class will look at the emergence of genre painting and the representation of peasant life. We will consider how these phenomena were tied to the histories and careers of individual artists and their workshops. General questions will include: How does the convincing representation of "reality" make for a persuasive image? What are the benefits of fusing secular and religious subject matter? Is it valid to speak of a new artistic self-awareness? 3 hrs. lect. **ART, EUR, HIS** (E. Garrison)

## HARC0219 Understanding Early Medieval and Romanesque Art: Seeing Ste. Foy (Spring 2017)

This course is an introduction to key artworks and architectural monuments made and built in Europe during the eighth through twelfth centuries. We will study such structures as Charlemagne's Palace Chapel and the reliquary statue of Ste. Foy at Conques to explore how these monuments were products of independent cultures that valued the creation of a visual fusion between the Judeo-Christian God and humankind. Likely lines of inquiry include: the persistence of a Classical ideal and its myriad adaptations; the coordination of art objects to specific locations; and, not least, the self-conscious staging of political and ecclesiastical power. 3 hrs lect. **ART, EUR, HIS** (E. Garrison)

## HARC0230 Modern Architecture (Spring 2017)

Rotating skyscrapers, green roofs, and avant-garde museums: how did we arrive in the architectural world of the early 21st century? In this course we will survey the major stylistic developments, new building types, and new technologies that have shaped European and American architecture since the late 18th century. Students will learn about the work of major architects as well as key architectural theories and debates. Special emphasis will be placed on the cultural and political contexts in which buildings are designed. 2 hrs. Lect./1 hr. disc. **ART, HIS** (E. Sassin)

## HARC0231 Architecture and the Environment (Spring 2017)

Architecture has a dynamic relationship with the natural and cultural environments in which it operates. As a cultural phenomenon it impacts the physical landscape and uses natural resources while it also frames human interaction, harbors community, and organizes much of public life. We will investigate those relationships and explore strategies to optimize them, in order to seek out environmentally responsive architectural solutions. Topics to be covered include: analysis of a building's site as both natural and cultural contexts, passive and active energy systems, principles of sustainable construction, and environmental impact. Our lab will allow us to study on site, "off-the-grid" dwellings, hay-bale houses, passive solar constructions and alternative communities, meet with "green" designers, architects, and builders, and do hands-on projects. 3 hrs. lect./3 hrs. lab. **ART** (A. Kerz-Murray)

## HARC0248 Gold, Sex, and Death at the Museum (Fall

## 2016)

Most visitors to museums notice the architecture, carefully chosen collections, and meticulously curated special exhibitions. However, behind this faÃ§ade is a busy network of museum professionals coordinating every aspect of the institutionâs life. Through readings and guest lectures, we will explore how directors, curators, and staff navigate the challenges facing the modern museum, such as establishing acquisitions policies in an increasingly uncertain art market, defining ethical standards for conservation, and addressing audiences with ever-changing needs. Speakers such as a curator, art critic, and conservator will contribute to our discussion, and attendance at a series of public talks is required. 3 hrs. lect./disc. **NOR** (S. Laursen)

## HARC0254 Art in the Dutch Golden Age (Fall 2016)

In this course we will examine the art made in the Northern Netherlands during the 17th century, the so-called âGolden Ageâ of the Dutch Republic. We will consider the effects of politics, patronage, religion, and warfare on the paintings and practices of such artists as Hals, Rembrandt, and Vermeer, as well as many other lesser-known professionals, who specialized in still life, landscapes, seascapes, cityscapes, church interiors, portraits, and tavern scenes. We will also consider the history of printmaking in the early modern Dutch Republic. 3 hrs. lect. **ART, EUR, HIS** (C. Anderson)

## HARC0260 Contemporary Art: From Postmodernism to Globalization (Spring 2017)

In this course we will survey major developments in international art practice since 1960. We will discuss artists and movements from North and South America, Asia, Eastern and Western Europe, and the Middle East. We will explore debates in traditional media, as well as the emergence of new conceptual paradigms, video and film, land art, installation and institutional critique, and strategies of appropriation. In addition to a focus on formal concerns, students will also discuss broader debates active in various spheres of postwar art and culture. Readings will include artist statements, critical and historical texts, as well as important theoretical material. **ART, CMP, HIS** (E. Vazquez)

## HARC0270 Chinese Art (Spring 2017)

This course is an introductory survey of the arts of China from the Neolithic period to the 20th century. Considering works in their original context and in museum collections, we will investigate how art objects and monuments reflect the religious beliefs, political agendas, and aesthetic preferences of their creators. At the same time, we will pay particular attention to the local development of artistic technologies, the role of ethnic and national identity in art production, and China's place in the larger histories of the Silk Road and modern international commerce and diplomacy. 3 hrs. lect. **AAL, ART, HIS** (S. Laursen)

## HARC0281 Viewer Discretion Advised: Controversies in American Art & Museums, 1876-Present (Spring 2017)

What are the âculture wars,â and why do they matter? What ideas are considered too âobsceneâ

for American audiences? In this course we will explore controversies and scandals sparked by public displays of art in the U.S. including: Eakinsâs Gross Clinic (1876), seen as too âbloodyâ for an art exhibition; the U.S. Navyâs objections to Paul Cadmusâs painting of sailors (1934); censorship and NEA budget cuts (Mapplethorpe & Serrano, 1989); backlash to The West as Americaâs deconstruction of myths of the frontier (1991); tensions surrounding Colonial Williamsburgâs âslave auctionâ reenactment (1994); debates over the continued display (and occasional defacement) of Confederate monuments in the era of the Black Lives Matter Movement. 3 hrs. lect./disc. **ART, HIS, NOR** (E. Foutch)

## HARC0285 Mapping Conceptualism: Art and Idea in International Context (Fall 2016)

In this course we will explore the impact of conceptualismâthe notion that an âideaâ takes priority over an artworkâs physical formâin a range of historical and geographic contexts from the 1960s forward. Beginning with foundational texts and objects, we will then explore the reach of conceptualist practices through close readings of art and artists in the context of specific artistic milieux and exhibitions from the Americas to Asia. Classes will be a mixture of lecture and more focused discussion. No prerequisites, but some exposure to modern and/or contemporary art is desirable. **ART, CMP, HIS** (E. Vazquez)

## HARC0301 Ways of Seeing (Fall 2016)

In this course we will focus on the various methods and theories that can enrich and deepen our understanding of art, architecture, and visual culture. Students will hone their analytical skills, both verbal and written, often with recourse to objects from the College Museum and the campus at large. In general, this seminar will develop studentsâ awareness of objects of culture broadly construed, and sharpen their understanding of the scope and intellectual history of the field. To be taken during the sophomore or junior year as a prerequisite for HARC 0710 and HARC 0711. 3 hrs. sem. **ART** (E. Vazquez)

## HARC0313 From VelÃ¡zquez to Cabrera: The Arts of Spain and the Spanish Americas (Spring 2017)

In this course we will examine the art and visual culture of Spain and the Spanish Americas from the early sixteenth to the early nineteenth century. We will consider the impact that religion, politics, and patronage had on artists working in Spain and the Viceroyalties of New Spain and Peru, focusing especially on how visual traditions, iconographies, and practices were reshaped when they crossed the Atlantic. We will also consider howâin the wake of global trade and explorationâcontact between Amerindian, African, Asian, and European artisans transformed artistic production, patronage, and collecting practices throughout the Iberian world. 3 hrs. sem. **ART, CMP, HIS** (C. Anderson)

## HARC0329 Nationalism and Identity in Central and Eastern European Art and Architecture (Fall 2016)

In this discussion based class our studies will take us from Berlin to Krakow, Budapest to Zakopane, exploring the history of Central and Eastern Europe from 1870 to 1945 through an examination of art and architecture. We will study how the rapid pace of industrialization and

urbanization, burgeoning commodity culture, ethnic unrest, and nationalist movements destabilized Central and Eastern European society, resulting in new forms of art and architecture. We will take advantage of the opportunities offered by the exhibition, âBloom and Doom: Visual Expression and Reform in Vienna 1900â (at our Middlebury College Museum of Art) to inform our discussion. **ART, EUR, HIS** (E. Sassin)

## HARC0330 Intermediate Architectural Design (Fall 2016)

This studio course emphasizes the thought and method of architectural design. Members of this studio will be involved in developing their insights towards cultural value systems and their expression in the environments they create. Participants work primarily in the studio space and rely heavily on individual instruction and group review of their work. The course provides a foundation for more advanced study in the areas of architecture, landscape architecture, and other fields related to the design of the built environment, and an opportunity to work with the Cameron Visiting Architect. (HARC 0130) 3 hrs. lect./3 hrs. lab **ART** (M. Lopez Barrera)

## HARC0331 The Utopian Impulse in Architecture (Spring 2017)

In this seminar we will explore the impulse to create the world anew through urban planning and architecture. From St. Augustine to the New Urbanism, the imagining and building of utopian communities has played a central role in architectural thought. We will see that while some utopias were built (and generally failed), many were never meant to serve as real prescriptions for human progress, but instead functioned as critical devices that challenged the status quo (while remaining impossible dreams of a more perfect world). By the conclusion of this course you will see architectural utopias as nuanced and complex constructions, and will be able to confidently read, describe and analyze scholarly secondary and primary texts in the field of architectural history, as well as buildings and urban spaces. 3 hrs. sem. **ART, CW, EUR, HIS** (E. Sassin)

## HARC0339 Home: The Why Behind the Way We Live (Spring 2017)

In this course we will examine the development of numerous housing types in America (with references to Europe). The prevalence of the single-family home today and its importance as the symbol of the âAmerican dreamâ was never a forgone conclusion. In fact, the American home has been the focus of and battleground for cooperative movements, feminism, municipal socialism, benevolent capitalism, and government interventions on a national scale. 3 hrs. sem. **ART, HIS, NOR** (E. Foutch)

## HARC0348 American Faces: A Cultural History of Portraiture and Identity (Spring 2017)

Portraits in their many forms have been part of American society since the 17th century. Why has the portrait been such a resilient form of expression? What is the relationship between portraiture and identity? What role has photography played in the evolution of portraiture in American life? This course, which complements an exhibit on view at the college museum, will explore portraits over the past 200 years--from public portraits and memorials to biography,

caricature, and photographic snapshots. Students will create their own 21st century portrait and consider what forms future portraits may take. 3 hrs. lect./disc. **ART, NOR** (R. Saunders)

## HARC0360 Artâs Worlds: Topics in Contemporary Art (Spring 2017)

The word contemporary is relational; to be con-temporary means to exist with others in time. In this seminar we will explore themes in very recent art, paying particular attention to how various practices draw attention to the constitutive relation of âwithâ through form. Topics may include artistic responses to social conflict, technological change, expanding global art centers, among others. Specific topics will vary, in part, based on student interests and current debates. Readings will be drawn from critical texts, recent scholarship and artistsâ writings. Prior exposure to post-1945 art is helpful, but not required. 3 hrs. sem. **ART** (E. Vazquez)

## HARC0402 Advanced Research in Museum Studies (Spring 2017)

Under the guidance of the curator of Asian art, students will research in depth an Asian artwork or group of artworks in the collection of the Middlebury College Museum of Art in preparation for the publication of a Handbook of the Collection. This course emphasizes independent research and scholarly writing; each student will build a bibliography, read extensively on the period and culture, write and revise a paper on the artwork(s), and craft one entry or more for the Handbook. Meetings will entail extensive research in the library and occasionally in the museum. Preference will be given to students who have taken HARC 0102 or other courses in Asian art and who have reading ability in languages appropriate to their topics. (Approval required). 3 hrs. sem. **AAL, ART** (S. Laursen)

## HARC0510 Advanced Studies (Fall 2016, Spring 2017)

Supervised independent work in art history, museum studies, or architectural studies. (Approval Required)

## HARC0530 Independent Architect. Design (Fall 2016, Spring 2017)

Supervised independent work in architectural analysis and design. (Approval Required)

## HARC0540 Supervised Independent Work in Museum Studies (Fall 2016, Spring 2017)

This practicum builds upon the Museum Assistants Program (MAP), the hands-on museum education program at the Middlebury College Museum of Art. In MAP, the Curator of Education trains students to conduct tours of the Museumâs permanent collection and of special exhibitions for audiences of peers, school groups, and the general public. Combining service learning with the opportunity to both support and learn more about the arts, students gain expertise in public speaking, art history, and public programming. HARC 0540 should be taken concurrently with the second semester of MAP. The class will culminate with a public

presentation on a museum-related topic evaluated by a faculty member of the Department of History of Art & Architecture. (Approval required)

## HARC0710 Senior Thesis Research Seminar (Fall 2016)

In this course students will conceive, undertake research, and plan the organization of their senior thesis in art history or senior museum studies projects. Seminar discussions and workshops will focus on research strategies, conventions in art historical writing, project design, and public presentation skills. (HARC 0301; Approval Required) 3 hr. sem. (E. Garrison)

## HARC0731 Thesis in Architectural Studies: Research (Fall 2016)

This studio course constitutes the first part of the two-term senior design project in Architectural Studies. Pre-design research includes precedent study, programming, site analysis, and formulation of a thesis to be investigated through the design process. Preliminary design work begins with conceptual studies, and culminates in a coherent schematic design, to be developed further in Senior Architectural Design, Part II. Students present their work in graphic, oral, and written formats. (HARC 0330 or equivalent) 6 hrs. sem. (J. McLeod)

### Interdepartmental Courses

## INDE0500 Independent Project (Fall 2016, Spring 2017)

## INDE0800 Ind Scholar Thesis (Fall 2016, Spring 2017)

## INTD0210 Sophomore Seminar in the Liberal Arts (Fall 2016, Spring 2017)

This course is designed for sophomores who are interested in exploring the meaning and the purpose of a liberal arts education. To frame this investigation, we will use the question "What is the good life and how shall I live it?" Through an interdisciplinary and multicultural array of readings and films we will engage our course question through intellectual discussion, written reflection, and personal practice. There will be significant opportunities for public speaking and oral presentation, as well as regular writing assignments, including a formal poster presentation. Readings will include reflections on a liberal arts education in the U.S. (Emerson, Brann, Nussbaum, Oakeshott, Ladsen-Billings, bell hooks); on "the good life" (excerpts from Aristotle, sacred texts of different traditions); on social science analyses of contemporary life; texts on the neuroscience of happiness; as well as literary and cinematic representations of lives well-lived. CMP (J. Miller-Lane; P. Zupan) **CMP** (Fall 2016: B. Millier, R. Schine; Spring 2017: J. Miller-Lane, D. Evans)

## INTD0215 3D Computer Animation (Fall 2016)

3D computer animation has revolutionized animation, graphics, and special effects. In this course students will explore basic 3D modeling techniques, virtual material and texture creation, digital lighting, rendering, and animation. Every workshop will be hands on and fully immersed

in this rapidly evolving technology. Students will leave with a strong conceptual understanding of the 3D graphics pipeline, a fundamental 3D skill set, options for further study, and an independent final animation project. 3 hrs. workshop **ART** (D. Houghton)

## INTD0220 Management, Enterprise, and Business (Fall 2016)

Social enterprises, schools, governments, and businesses all need to be managed; indeed âmanagerâ is today's most common job, yet most managers would struggle to explain what management is. In this course we will review different types of organizations, their common functions, and what it means to manage them. In the class wWe will review the history and development of management theory, functions, roles, skills, organization, structure, and behavior. In the lab students will work in small groups to understand, articulate, and address management issues faced by a real enterprise. Students will learn practical management techniques and skills including problem solving, teamwork, and communications. Professor David Colander will be assisting with the class, giving occasional lectures, and connecting the class to broad liberal arts themes. 3 hrs. lect. (A. Biswas)

## INTD0221 Creating New Enterprises To Solve Significant Problems: For-Profit and Social Entrepreneurship (Fall 2016)

In this class students will explore how entrepreneurial innovators solve significant problems by creating new enterprises, and how these new organizations impact our society. In todayâs society, entrepreneurship seems ubiquitous. At times, it appears that entrepreneurs can do no wrong. At other times, they are depicted as over-optimistic fools. Such polar characterizations may sell magazines, but they do not capture what entrepreneurship is, which involves a more complex and interesting storyâ in both for-profit and social entrepreneurship environments. Students will explore entrepreneurship in depth with the goal of penetrating the popular veneer and uncovering the essence of starting and growing new enterprises designed to solve significant societal problems. (D. Colander, E. Parizeau)

## INTD0253 The Art and Craft of Statesmanship (Fall 2016)

This course explores the art and craft of statesmanship. It is a hands-on course that explores how an academic idea is translated into a policy proposal. Students will work in teams learning the skills needed to move from abstract idea to political proposal. They will do background research, write a white paper report, and draft speeches that communicate a policy proposal to the general public. 3 hrs. sem. **CW** (D. Colander, J. Douglas, P. Gillies)

## INTD0254 Innovation in Action: Design Thinking and Problem-Solving (Fall 2016)

In this interdisciplinary course students learn the methods and practices of Design Thinking to tackle what are called âwicked problemsâ; those that are difficult to solve because of incomplete or changing requirements. Working in teams, students will collaborate using a human-centered process, and participate in activities that help them tap into the cognitive activities used while

designing. At the end of the class students will present innovative solutions to one or more of Middlebury Collegeâs academic technology challenges. Professor Hector Vila will be assisting with the class, giving occasional lectures, and connecting the class to broad liberal arts themes. 3 hrs. lect. (J. Antonioli)

## INTD0255 Reporting and Writing the News (Spring 2017)

Students in this introductory journalism class will learn how to conceive, report, write, edit, illustrate, and publish a variety of stories, including hard news, features, profiles, reviews, and op-eds. Through weekly assignments, they will practice crafting clear, concise, and colorful prose. They will develop story ideas, conduct interviews, and write balanced and engaging articles on deadline for our class news blog, which will cover the campus and local community. Students will also follow the news daily, and read a wide range of exemplary pieces. We will discuss the key legal and ethical issues facing todayâs journalists, as well as the impact of digital and social media on the news business. Professor Catharine Wright will be assisting with the class, giving occasional lectures, and connecting the class to broad liberal arts themes. (Not open to students who have taken CRWR 1002) 3 hrs. lect. (S. Greenberg)

## INTD0257 Global Health (Fall 2016)

This course provides an introductory survey of the basic issues and initiatives in contemporary global public health, including in-depth case studies of public health projects in locales including Haiti, Venezuela, Brazil, Rwanda, and Pakistan. We will explore the political, socioeconomic, and cultural complexity of health problems, and critically examine the structure and methods of global public health institutions. (Not open to students who have taken SOAN 0267) 3 hrs. lect./disc. **AAL, CMP, SOC** (P. Berenbaum)

## INTD0280 Middlebury's Foodprint: Introduction to Food Systems Issues (Fall 2016)

Food systems encompass all activities, people and institutions determining movement of food from input supply and production (on land and water) through waste management. The dominant U.S. food system is responsible at least in part for some of the nationâs most troubling environmental and health challenges. What do we eat at Middlebury? What difference does it make? How do we know? We'll read Chase & Grubinger's *Food, Farms, and Community: Exploring Food Systems* (2015), then dive into examining impacts of how Middlebury sources and consumes its food, and disposes of food waste. (BIOL 0140 recommended) 3 hrs. lect./disc. **SOC** (M. Anderson)

## INTD0281 Food, Power, & Justice (Spring 2017)

Students in this course will learn to analyze power and justice in relation to the food system. We will explore cases in which groups of people are experiencing injustice in opportunities to make a living through food production or other food system activities, inequitable access to food and resources, inequitable health outcomes related to diet (e.g., diabetes, obesity), and silencing or lack of political participation. Students will investigate organizations of their choice that are working to remedy inequitable power relations in the food system, and will present their findings to the rest of the class. **SOC** (M. Anderson)

## INTD0285 Water in an Insecure World: Symbol, Resources, or Commodity (Spring 2017)

Water covers more than seventy percent of the earthâs surface and constitutes approximately the same percentage of the human body. No substance on earth is more important, and few are more abundant. Yet today water is increasingly degraded and scarce, stressing both ecosystems and human communities. In this, the first ever Presidentâs Course at Middlebury and Midd-Monterey, we will explore water topics across multiple disciplines, from droughts caused by climate change to the role of sea routes in the creation of the British Empire to ocean acidification, groundwater toxicity, and pelagic plastics. We will also explore emerging solutions to water crisis, including transboundary river management and water entrepreneurship. Each week President Patton will convene a seminar on an aquatic topic with guest speakers, break-out conversations, and simulcast interaction with our peers at the College and the Institute. Students will produce a water-based art project, collaborate on a local water case study, and engage in lively discussions with scholars and peers of diverse backgrounds. (Approval Required) (D. Brayton, L. Zarsky)

## INTD0298 Privilege and Poverty: The Ethics of Economic Inequality (Fall 2016)

In this course we will study the ethical implications of domestic and global economic inequality. Drawing from history, economics, sociology, philosophy, theology, and other disciplines, we will examine the causes and consequences of inequality, critically evaluate our usage of the terms âprivilegeâ and âpoverty,â and consider the range of moral responses individuals and society might have to inequality. We will ask whether it is unfair, unfortunate, or necessary that some citizens live with significantly less material wealth than others, and whether those who experience âprivilegeâ have any moral responsibility to those who exist in âpoverty.â **PHL, SOC** (J. Davis)

## INTD0306 American Constitutional Law: The First Amendment (Spring 2017)

This course focuses on the Supreme Courtâs interpretation of the first amendment freedoms of speech, press, and religion. After starting with the philosophic foundations of these first amendment freedoms (Mill, Locke), students will read the major Supreme Court decisions concerning these rights. Class assignments in the form of oral arguments and briefs and/or options will enable students to take the part of lawyers and judges. (Sophomores, juniors and seniors with PSCI 0102 or 0104 or 0205 or 0206 or 0305 or waiver) 3 hrs. lect./disc. *(American Politics)/* (W. Sessions)

## INTD0310 Agroecology (Fall 2016)

In this course students will learn about agroecology as a set of practices, a philosophy, and a social movement, with an emphasis on the first two perspectives. Agroecology takes advantage of natural processes to the greatest extent possible, using biological inputs rather than purchased pesticides and fertilizers. In addition to having major benefits for poor farmers in developing countries, it is attracting increased attention as an alternative to industrialized agriculture in wealthy countries. The course will include field trips to farms, lab exercises, and

discussion of readings. (BIOL 0140 or BIOL 0145 and CHEM 0103 or CHEM 0104). 3 hrs. lect./disc. (M. Anderson)

## INTD0311 Fixing Food Systems (Spring 2017)

This course addresses the innovation in food systems and how it is changing the ways that we eat; how we produce, process, and distribute food; how we manage food system inputs and waste; and how we imagine food alternatives. We will unpack what is meant by "innovation" and why technological innovation frequently gets more attention than social, cultural, and political innovations at scales from the community to the international. We will explore how to assess the risks and value of innovations and their implications for social justice and participation of emerging streams of innovation. (INTD 0280 or INTD 0310). 3 hrs. sem. (M. Anderson)

## INTD0316 Accounting, Budgeting, and the Liberal Arts (Fall 2016)

Accounting is the lingua franca of commercial and financial activity, and applies equally to corporations, non-profits, and governments. In this course we will learn the basic concepts and standards underlying the accounting language including: revenue recognition, inventory, long-lived assets, present value, long-term liabilities, and financial statements. We then turn to the application and use of accounting information in forecasting, operating, and measuring an enterprise. These managerial accounting concepts are used to develop budgets and evaluate results. Our understanding of accounting and financial statements is needed to understand how business interrelates with society, and to answer a range of economic questions such as new product profitability, how to measure and motivate staff and predicting whether Chicago will follow Detroit into bankruptcy. There will be a significant project to apply the concepts and tools we have developed. Professor David Colander will be assisting with the class, giving occasional lectures, and connecting the class to broad liberal arts themes. (ECON 0155) 3 hrs. lect., 1 hr. lab (M. Schozer)

## INTD0317 Introduction to Finance (Spring 2017)

In this introductory survey course we will explore the role of finance in society, the basic workings of the financial system, how funds are allocated within the economy, and how institutions raise money. We will cover a range of topics, including: interest rates and the time value of money; uncertainty and the trade-off between risk and return; security market efficiency; stocks, bonds, and optimal capital structure; financing decisions and capital budgeting; sovereign risk; foreign currencies; derivatives markets; and concerns about the role of finance in society. The course will include discussions of current news events in global markets, as well as a significant project applying the tools we have learned. (INTD 316 or permission of instructor) 3 hrs. lect/lab (M. Schozer)

## INTD0400 Learning with Maps (Fall 2016)

In this studio we will create online educational resources that help undergraduate students learn digital methods for mapping and spatial analysis. We will design and evaluate these learning materials by applying cognitive research on spatial thinking, multimedia learning, and instructional design. Studio participants will engage with an academic department or Middlebury program in order to identify existing and potential applications of digital mapping

and spatial analysis, produce distributable multimedia tutorials to help novices integrate software techniques with more general concepts of spatial representation and analysis, and assess the effectiveness of their instructional design on student learning. (GEOG 0120; Approval required) 3 hrs. sem. **CW** (J. Howarth)

# INTD0419 Investment Management (Fall 2016)

In this course we will build on knowledge of accounting and finance and apply that knowledge to investment analysis, asset allocation, portfolio management, and capital markets and risk analysis. Designed to provide the basic concepts and principles of investing, the course examines investment theory and practice for investing a portfolio and evaluating its performance. We will discuss both traditional and non-traditional investments. Topics include securities markets, risk and return, capital asset pricing model (CAPM) and diversification, portfolio theory, private equity, valuation of equity, valuation of fixed-income securities, options and futures markets. Professor David Colander will be assisting with the class, giving occasional lectures, and connecting the class to broad liberal arts themes. (INTD 0316 and INTD 0317, or instructor approval) 3 hrs. lect./disc. (T. Nguyen)

# INTD0500 Independent Study (Fall 2016, Spring 2017)

**Independent Study**
Approval Required

## Spring 2017

**Animation Studio**
Animation Studio is a real-world production studio in which students collaborate on the key roles in the animation production process. Under the guidance of the studio director and a faculty member, students will contribute to the creation of short films, scientific illustrations, historical recreations, and other projects. All work is done in the studio and students commit to nine hours per week. (Approval Required) (D. Houghton)

## International Politics & Economics

(1) ***Courses in Political Science:*** PSCI 0103, PSCI 0109, PSCI 0304 (PSCI 0304 must be taken at Middlebury College) and three electives in comparative politics or international relations (PSCI 0262 may also count as an elective). At least one elective should be a 0400-level senior seminar in comparative politics or international relations.
(2) ***Courses in Economics:*** The six required economics courses are: ECON 0150, ECON 0155, ECON 0210, plus ECON 0240 (formerly ECON 0340) and two electives with an international orientation. One elective should be a 0400-level senior seminar. At least four economics courses meeting the major requirements must be taken at Middlebury, including the 0400-level seminar.
(3) ***Language Study:*** Students in International Politics & Economics must achieve the language department's standard of linguistic competence before going abroad or must demonstrate equivalent competence in a language taught at Middlebury College through a language placement exam. Foreign language study while at Middlebury is strongly encouraged.
(4) ***Term or Year Abroad:*** Under normal circumstances, this will be completed at one of the Middlebury schools abroad. At a minimum, majors should complete PSCI 0103, PSCI 0109, ECON 0150, ECON 0155, and ECON 0210 (or ECON 0250 for students in the classes of 2014.5 or earlier) before going abroad for a semester. Students who will be abroad for a full year should

also complete PSCI 0304 before leaving Middlebury.

***Advanced Placement:*** Students must take a minimum of 5 courses in each discipline. See the Advanced Placement policy for detailed information.
***Winter Term Courses****:*Winter Term courses count towards the major only if they are listed on the IPEC Courses web page prior to winter term registration.
***Double Majors and Minors****:* Because of the complex and interdisciplinary nature of the International Politics & Economics major, IPEC students are strongly advised not to pursue an additional major. In addition, IPEC majors may not minor in either economics or political science and may not major or minor in their primary language of focus.

***Declaring a Major:*** To declare a major, students need to fill out both a major declaration form and an advising wizard form. Discuss your plan for completing the major (outlined on the advising wizard form) with your advisor who can be from either the political science or economics department. Have both your advisor and the Director of International Politics & Economics sign the major declaration form. Turn in one copy of *both forms* to the coordinator of International Politics & Economics. Turn in one copy of the *major declaration form* to the Registrar's Office.
***First semester of senior year:*** Early in the first semester of your senior year, fill out both a degree audit sheet and an advising wizard form. Print out a copy of your unofficial transcript and evidence that any courses from abroad have been approved for IPEC major credit (such as an email approval from a chair or director, or information from the programs abroad office). Bring these items to the Director of International Politics & Economics no later than a week before registration for classes for your final semester. Once signed, turn in one copy of the *advising wizard form* and the *degree audit sheet* to the coordinator of International Politics & Economics. Turn in one copy of the *degree audit sheet* to the Registrar's Office.
***Honors:***In addition to their 12 required courses, qualifying students can choose to write a senior thesis. To launch a thesis project, students must obtain a thesis advisor in both political science and economics, and submit to their advisors a thesis prospectus for formal approval. To identify suitable thesis topics, it is highly recommended that IPEC thesis candidates begin consulting with the potential advisors during their junior year. For details, deadlines, and a timetable, see the Honors Thesis page (http://www.middlebury.edu/academics/ipe/thesis2014.
***Honors Thesis Requirements****:*The determination of honors, high honors, and highest honors is based on (1) the level of the grade achieved on the thesis; and (2) the level of the average grade received in all Middlebury College courses that count toward the IPEC major. Honors candidates must have an IPEC course average of 3.3 and a thesis grade of B+ to attain honors; an IPEC course average of at least 3.5 and a thesis grade of A- to attain high honors; and an IPEC course average of at least 3.7 and a thesis grade of A to attain highest honors. Note: Thesis grades do not count in the calculation of the GPA for honors, and a thesis cannot be pursued as a fifth course during any term.

# IPEC0500 Independent Project (Fall 2016, Spring 2017)

(Approval Required)

# IPEC0700 Senior Thesis (Fall 2016, Spring 2017)

(Approval Required)

### International and Global Studies

**Courses and Requirements**:All students who major in International and Global Studies (IGS) must specialize in one of the seven regional tracks that make up the major: African studies, East Asian studies, European studies, Latin American studies, Middle East studies, Russian and East European studies, and South Asian studies. Students who will graduate in 2016 have a choice between the existing requirements (IGST 0101, an IGST senior seminar, three regional courses, a specialization in one of the liberal arts disciplines, proficiency in one of the languages taught at Middlebury, study abroad for at least one semester, and completion of at least one advanced language course upon return from abroad) and the new requirements listed below. IGS majors may not double-count any required language course towards their regional specialization. .

Beginning with class of 2017, IGS majors are required to complete: IGST 0101; five regional courses in at least three disciplines and in at least two divisions (to be selected in consultation with their advisor); and three global courses (from an existing list, only one of which may be at the 0100 level and none at the 0400 level). These courses must be taken on the Middlebury College campus. Students must also achieve language proficiency*; study abroad for at least one semester; complete at least one language course at the advanced level upon return from abroad*; and take a senior seminar at the 0400 level either in one of the departments or in IGS. The departmental senior seminar must be either regional or global (thematic).

Students who study abroad for one semester can apply one course towards their regional specialization, pending the approval of the track director. Students who study abroad for a whole year can apply up to 2 regional courses, pending the approval of the track director,and 1 global course, pending the approval of the IGS director. Students must provide course syllabi of all courses taken abroad for which credit is requested.
*South Asian studies majors must study a language when abroad, but are neither expected to achieve language proficiency nor complete a language course once they return from abroad. In lieu of the language requirement after returning from abroad, these students should take one additional regional or global course.
Beginning with the class of 2017 (2016) students are strongly encouraged to minor in any department or program that offers a minor and is able to accommodate them as long as they are not double counting any course. If a student wishes to minor in the department that teaches the IGS language of their focus, that student should discuss his or her minor with the IGS director. Please note this may be possible only in a few of the language departments. For departments who do not offer a minor, please consult IGS director or track director.

The minimum requirements for the major in International and Global Studies are as follows:
**International and Global Studies Core**:Students are required to take IGST 0101 as their sole core course requirement, and are expected to take this course before studying abroad. IGST 0101 is not open to seniors except for students who declared their major in their sophomore year and spent the fall semester of their junior year abroad. Students who declare their major in their sophomore year, who have not yet taken IGST 0101, and who plan to study abroad for one semester only, must take it in the fall of their junior year prior to going abroad.
**Language Study**:Students must become proficient in one of the languages that Middlebury College teaches. Individual language departments determine what level of study constitutes proficiency, and students are expected to do advanced work in the language that they study. All majors must take at least one advanced course in the language of study upon returning from abroad and are encouraged to take more than one advanced course.
**For East Asian Studies**:A student who already has native proficiency in Chinese must fulfill the language requirements for Japanese. A student who already has native proficiency in Japanese must fulfill the language requirements for Chinese. The Chairs of the Chinese and Japanese Studies departments or their designees determine what constitutes native proficiency by

evaluating students individually through interviews or tests.
**For Latin American Studies**:Students who place into Spanish 0220 or above must take at least two semesters of Portuguese (0210 and above) to fulfill the language requirement. Students who place into Portuguese 0215 or above must take at least two semesters of Spanish (0105 and above) to fulfill the language requirement.
**International and Global Studies Major with Chinese Language**:Along with other required courses and senior work as described in the International and Global Studies major section, the Chinese language component of an IGS major requires the completion of the following: 1) CHNS 0101-CHNS 0202 (strongly encouraged to attend Middlebury Chinese Summer School, or take CHNS 03010302); 2) one semester at one of the three C.V. Starr-Middlebury College Schools in China; 3) any two of the following: CHNS 0411, 0412, 0426, OR 0475 upon return from study abroad in China.

**Regional Specialization**:For 2016 graduates, who choose the old requirements, this requirement consists of three courses with content exclusively or primarily on the region, in at least two different disciplines other than the language of study and the disciplinary specialization. For a list of courses that fulfill this requirement go to:http://www.middlebury.edu/academics/igs/wizard.For students inEast Asian studieswho elect to learn the Japanese language: three courses on East Asia (two courses having content exclusively or primarily on Japan and one on China or East Asia), in at least two different disciplines. For those students who elect to learn the Chinese language: three courses on East Asia (two courses with content exclusively or primarily on China and one on Japan or East Asia), in at least two different disciplines. Students who have native proficiency in one language and achieve proficiency in the other may choose a regional specialization in either China or Japan.
Beginning with the class of 2017, this requirement consists of five courses, in at least three departments spread across at least two divisions [Students must consult with their advisors about the divisional requirement]. At least three regional courses must be taken in Middlebury.
**Disciplinary Specialization only for students under the old rules (class of 2016)**:Students must take at least five courses within a single discipline among the following list: economics; film and media culture; geography; history; history of art and architecture; literature/civilization; philosophy; political science; religion; and sociology/anthropology (see "Disciplinary Specializations by Department" below). Within a student's disciplinary specialization, at least one of the courses must be an upper-level course, and at least two of the courses should have substantial content on the geographical area of specialization. Where possible, such regional courses should be taken on the Middlebury campus, and IGS majors should take at least two of their disciplinary courses before going abroad.
Beginning with the class of 2017 (2016) the disciplinary specialization is no longer a requirement.
**Global Courses**:Beginning with the class of 2017 (2016), students will be required to take three global courses, (only one of which may be at the 0100 level and none at the 0400 level). These courses must be taken on the Middlebury College campus unless students study abroad for an entire year (see details below.)These will be selected in consultation with the advisor, based on a list of courses designated as global courses by the IGS program. Global courses are thematic, trans-regional, and comparative.
http://www.middlebury.edu/academics/igs/courses/globalcourses
**Study Abroad**: Students must study abroad for at least one semester (and preferably for a year) on a Middlebury-approved study abroad program in their region of focus. Study abroad must be in the language of study at Middlebury. Students must receive the approval of the relevant departments in order to obtain major credit for courses taken abroad. Those who study abroad for one semester can apply one course towards their regional specialization, pending the approval of the track director. Students who study abroad for a whole year can apply up to 2

regional courses, pending the approval of the track director,and 1 global course, pending the approval of the IGS director. Students must provide course syllabi of all courses taken abroad for which credit is requested.

**Advanced Placement**:Advanced Placement credit will not count toward the major.
**Senior Program**:For 2016 graduates (old requirements), the IGS senior program consists of: (1) A senior international and global studies seminar that is thematic, interdisciplinary, and cross-regional (see seminar courses under International and Global Studies Courses below); and (2) an upper-level course, preferably two, in the language of emphasis that will be taken after returning from abroad. The language departments will determine which courses can be taken to fulfill this requirement, in consultation with the program director. Students may also elect to write an honors thesis (IGST 070X, two semesters) during their senior year. Students writing a thesis may choose to waive the IGS seminar requirement.Students are eligible to write a senior honors thesis if they have a 3.5 GPA* or better in all courses that count for the major. Writing a thesis is required to graduate with honors. Thesis guidelines and procedures can be found atgo/igsthesis.
Beginning with the class of 2017 (2016), the IGS senior program consists of: (1) a senior IGSTseminar, or a departmental senior seminareither regional or globalin the Humanities or Social Sciences, and (2) an upper-level course, preferably two, in the language of emphasis that will be taken after returning from abroad. The language departments will determine which courses can be taken to fulfill this requirement, in consultation with the program director.
**Students who plan to enroll in a departmental senior seminar must be aware that many such seminars have prerequisites.Therefore, if possible, studentsshould plan in advance to complete these requirements no later than their junior year.**

South Asian Studies majors need not take an upper-level language course but should take one additional course either regional or on a global theme.

Beginning with the class of 2017 (2016) students may elect to write a two-term senior thesis but cannot substitute it for the required senior seminar. Students are eligible to write a senior honors thesis if they have a 3.5 GPA* or better in all courses that count for the major. Writing a thesis is required to graduate with honors. Thesis guidelines and procedures can be found atgo/igsthesis.
**Honors**:Honors are awarded to students with a GPA* of 3.5 and a thesis grade of B+; high honors to students with a GPA of 3.7 and a thesis grade of A- or A; and highest honors to students with a GPA of 3.8 and a thesis grade of A.
*The International and Global Studies GPA is calculated on the basis of those courses that satisfy or could potentially satisfy the requirements for the major. All courses that could count for the major will be used in the calculation of GPA for purposes of determining honors. For 2016 graduates these include all language courses, all disciplinary courses, all regional courses, all courses taken abroad, and all courses with an IGST designation. For the class of 2017 (2016) these courses include all language courses, all regional courses, all global courses, all courses taken abroad, and all courses with an IGST designation.
Note: Thesis grades do not count in the calculation of the GPA for honors.

Seniors wishing to pursue an independent research project within IGS (either in their own or another track) should register for IGST 0700.

**Winter Term Course**:A winter term course taken at Middlebury may count towards the regional requirements only with the approval of the track director. Students wishing to count a

winter term course must provide the track director with a copy of the course syllabus. No more than one winter term course may count towards the program requirements.

**Area Specializations**

**African Studies**
**Language/Culture**:Language competency in French or Swahili; satisfactory completion of at least one advanced French course or one independent study in Swahili upon students return from abroad. If French is the language of emphasis, students must study an appropriate indigenous African language to a level of reasonable competence while abroad. The French Department will specify which courses fulfill the French requirement. The African Studies director will specify which courses fulfill the Swahili requirement.
**Regional Specialization**:see Courses and Requirements above
**Disciplinary Specialization**:see Disciplinary Specializations by Department below
**Study Abroad**:see Courses and Requirements above
**Senior Program**:see Courses and Requirements above

**East Asian Studies**
**Language/Culture**:Satisfactory completion of advanced work in either Chinese or Japanese. The Chinese and Japanese departments will specify which courses fulfill this requirement.
A student who already has native or near-native proficiency in Japanese must fulfill the language requirements for Chinese. A student who already has native or near-native proficiency in Chinese must fulfill the language requirements for Japanese.
**Regional Specialization**:see Courses and Requirements above
**Disciplinary Specialization**:see Disciplinary Specializations by Department below
**Study Abroad**:see Courses and Requirements above
**Senior Program**:see Courses and Requirements above

**European Studies**
**Language/Culture**:Language competency; satisfactory completion of at least one advanced course taught in the language of emphasis (French, German, Italian, or Spanish). Individual departments will specify which courses fulfill these requirement.
**Regional Specialization**:see Courses and Requirements above
**Disciplinary Specialization**:see Disciplinary Specialization by Department below
**Study Abroad**:see Courses and Requirements above
**Senior Program**:see Courses and Requirements above

**Latin American Studies**
**Language/Culture**:Satisfactory completion of advanced work in either Portuguese or Spanish. Students who place into Spanish 0220 or above must take at least two semesters of Portuguese (0210 and above) to fulfill the language requirement. Students who place into Portuguese 0215 or above must take at least two semesters of Spanish (0105 and above) to fulfill the language requirement.
**Regional Specialization**:see Courses and Requirements above
**Disciplinary Specialization**:see Disciplinary Specializations by Department below
**Study Abroad**:see Courses and Requirements above
**Senior Program**:see Courses and Requirements above

**Middle East Studies**
**Language/Culture**:Successful completion of three years of Arabic or Modern Hebrew (or the equivalent as determined by the Arabic or Hebrew program). Students who choose Modern Hebrew must be willing to pursue language study beyond Middlebury, if the Colleges Hebrew

program is not able to offer a full range of advanced courses.
**Regional Specialization**:see Courses and Requirements above
**Disciplinary Specialization**:see Disciplinary Specializations by Department below
**Study Abroad**:see Courses and Requirements above
**Senior Program**:see Courses and Requirements above

**Russian and East European Studies**
**Language/Culture**:Language competency: satisfactory completion of at least second- and preferably third-level Russian or the Russian School equivalent
**Regional Specialization**:see Courses and Requirements above
**Disciplinary Specialization**:see Disciplinary Specializations by Department below
**Study Abroad**:see Courses and Requirements above
**Senior Program**:see Courses and Requirements above

**South Asian Studies**
**Language/Culture**:Students must pursue a formal course of study of a South Asian language while abroad
**Regional Specialization**:see Courses and Requirements above
**Disciplinary Specialization**:see Disciplinary Specializations by Department below
**Study Abroad**:Students must study in South Asia for at least one semester, preferably two. The C.V. Starr Middlebury School in India is recommended
**Senior Program**:see Courses and Requirements above; however, because Middlebury does not offer a South Asian language, students are not required to take an additional language course on their return from South Asia.

**Disciplinary Specializations by Department (only for students graduating in 2016)**
Disciplinary requirements are listed below. Students are required to take two courses within their disciplinary specialization that have substantial content in their region of focus. If these regional courses cannot be taken at Middlebury, students may take them while abroad. Area program directors will determine which courses fulfill this regional requirement in consultation with individual departments.
**Economics**:For students matriculating in the classes through 2014.5, ECON 0150, ECON 0155, ECON 0210 or ECON 0250, ECON 0240 (formerly ECON 0340), and two departmental electives with an international focus at the 0200-, 0300-, or 0400-levels. One of them must be a 0400-level course. For students matriculating with the class of 2015 and after, ECON 0150, ECON 0155, ECON 0210, ECON 0240 (formerly 0340), and two departmental electives with an international focus at the 0200-, 0300- or 0400-levels. One of them must be a 0400-level seminar.
**Film and Media Culture**:Three required courses FMMC 0101, FMMC 0102, FMMC 0104 plus three additional courses that are listed or cross-listed as FMMC. At least one of the three electives must be at the 0300- or 0400-level, and at least one must be international in focus (preferably should have substantial content on the geographical area of specialization). Students wishing to do a senior project will be required to follow the relevant guidelines and prerequisites listed on the FMMC website.
**Geography**:GEOG 0100, GEOG 0120, 3 courses from GEOG 0207, GEOG 0210, GEOG 0214, GEOG 0215, GEOG 0220, GEOG 0223, GEOG 0225; and one GEOG 0400-level seminar. Students writing a thesis must also take GEOG 0325 or GEOG 0339.
**History**:A 0100-level course and five other courses, including a 0400-level reading seminar normally taken in the senior year. The reading seminar and at least two other courses should be within the regional focus, and at least one course should be outside the regional focus. With the permission of the history department chair, up to two of these courses can be taken abroad.
**History of Art and Architecture**:HARC 0100, HARC 0102 (or another pre-approved course in

the history of non-western art and/or architecture); four electives at the 0200-level or above, two of which must be in region of specialization; students writing a thesis must take HARC 0301 in lieu of one of the four electives at the 0200-level.

**Literature and Culture:**
**Chinese**:To specialize in Chinese Literature/Culture within the International and Global Studies major, in addition to language proficiency, students must take any five of the following: CHNS 0219, CHNS 0220,CHNS/FMMC 0250, CHNS/LNGT 0270, CHNS 0325, CHNS 0330, CHNS 0340, CHNS 0370, CHNS 0412, CHNS 0475 (one literature course taken during study abroad may be counted toward this requirement).
French:(1) proficiency in French (a minimum of two of FREN 0210, FREN 0221, FREN 0230 or work in the French Summer School at the 0400-level or above); (2) at least one semester, and preferably a year, at one of the C.V. Starr-Middlebury Schools in France, Cameroon, or in another French-speaking country; (3) three courses at the advanced level (taken at of our schools in France, Cameroon, or in another French-speaking country); and (4) one or more courses at the 0300- or 0400-level upon return from abroad.
**German:**Any five courses at the 0300-level, up to four of which may be taken at one of our schools in Germany, plus GRMN 0700 or a course at the 0400-level.
**Italian**:In addition to language proficiency, four 0300-level courses, including ITAL 0355 or its equivalent at one of our schools in Italy, plus one 0400-level seminar
**Japanese**:In addition to language courses, five courses on literature, film, or culture offered by the Department of Japanese Studies.
Portuguese:In addition to PGSE 0202 or its equivalent, four upper level courses on literature or culture taken at Middlebury or in Brazil, and PGSE 0500 during the senior year.
**Russian**:RUSS 0151, RUSS 0152, three others taken either at Middlebury or at one of our schools in Russia, and RUSS 0704.
Spanish:Six courses at the 0300-level or above, including SPAN 0300, at least one literature course in the area of interest, at least one culture course in the area of interest, and one 0400-level seminar during the senior year.
**Philosophy**:PHIL 0150 or 0151; PHIL 0180; one course in history of philosophy (PHL 0201, PHIL/CLAS 0175, or PHIL 0250); one 0400-level seminar to be taken in the last three semesters; and one course from each of the following areas: (1) ethics and social and political philosophy (ESP); (2) epistemology, language, metaphysics, mind and science (ELMMS).
**Political Science**:PSCI 0103 or PSCI 0109; one course from PSCI 0101, PSCI 0102, PSCI 0104; PSCI 0107; four other courses from either the comparative politics or international relations and foreign policy categories, including one 0400-level seminar taken at Middlebury College in Vermont. IGST seminars co-taught by PSCI faculty cannot substitute for 0400-level PSCI seminars, but will count toward the six required courses in political science. In addition, it is highly recommended that IGST thesis candidates enroll in PSCI 0368 before their senior year.
**Religion**:Six courses on religious traditions with a major presence in the region of study, at least two of which must be at the 0300-level. Two of the courses may treat the religious traditions of the region as practiced in other parts of the world. IGS senior seminars co-taught by RELI faculty will count toward the required six classes. In some cases, RELI 0400 may also be counted toward the six courses.
**Sociology/Anthropology**:To specialize in sociology/anthropology within the international and global studies major, students must take: SOAN 0103, SOAN 0105, SOAN 0305 or SOAN 0306, plus three other sociology/anthropology electives. For students who plan on writing a senior thesis, one of the electives must be SOAN 0301 or SOAN 0302 before their senior year.

# IGST0101 Introduction to International and Global

## Studies (Fall 2016)

This is the core course of the International and Global Studies major. It is an introduction to key international issues and problems that will likely feature prominently in their courses at Middlebury and study abroad. Issues covered will differ from year to year, but they may include war, globalization, immigration, racism, imperialism, nationalism, world organizations, non-governmental organizations, the European Union, the rise of East Asia, politics and society in Latin America, and anti-Americanism. 3 hrs. lect./disc. **CMP** (R. Greeley, S. Stroup)

## IGST0411 The Racial Life of Power: (Trans)national Experiences of Race (Spring 2017)

In this course we will explore the emergence of race as a category of classification, social construct, and real experience in conjunction with the consolidation of different forms of power including colonialism, slavery, nationhood and globalization. We will take a global and interdisciplinary approach to our study by examining how race operates in national, transnational, and transcontinental power dynamics and imaginaries. Our interrogation of race will consider its central intersections with class, gender, and sexuality in Africa, Asia, the Caribbean, Europe, Latin America, and North America at different moments in history. Course materials will include visual media, literary texts, primary historical sources, critical theory, and music. (Taught in English) 3 hrs. sem. **AAL, CMP, SOC** (D. Silva)

## IGST0420 Visual Cultures of the Americas (Fall 2016)

From murals to monuments and telenovelas to veladoras, this bilingual [Spanish/English] seminar will explore the role of visual expression in the history of cultural formation throughout the Americas. We will take a hemispheric and transnational approach to our studies. As such, two related premises inform the material we will examine: images traverse the boundaries of nation-states, and they are intrinsically tied to the developments of modern history. We will combine theoretical works with a variety of still and moving images (artifacts of mass culture, photography, artwork, film, mixed media, and performance) to study the relationship between "visuality" and flows of culture throughout Latin and Anglo Americas. This course is equivalent to AMST 0420. 3 hr. sem. **ART, CMP** (R. Lint)

## IGST0440 Islam and Human Rights (Spring 2017)

Modern human rights formulations and Islamic legal prescriptions both make universal and, at times, conflicting claims. In this course, we consider various attempts by religious and legal scholars to reconcile such tensions through assessing and reinterpreting Islamic sources with reference to contemporary human rights principles. We explore international human rights charters and declarations as well as Islamic jurisprudential interpretations and legal practices, paying special attention to questions of religious freedom, minority and womenâs rights, and gender identity. Readings and student projects emphasize course themes through individual case studies drawn from varied settings. 3 hrs. sem. **CMP, HIS, PHL** (F. Armanios)

## IGST0500 East Asian Studies Independent Project (Fall 2016, Spring 2017)

(Approval Required)

## IGST0501 Latin American Studies Independent Project (Fall 2016, Spring 2017)

(Approval Required)

## IGST0502 Middle East Studies Independent Project (Fall 2016, Spring 2017)

(Approval Required)

## IGST0503 African Studies Independent Project (Fall 2016, Spring 2017)

(Approval Required)

## IGST0504 South Asian Studies Independent Project (Fall 2016, Spring 2017)

(Approval Required)

## IGST0505 European Studies Independent Project (Fall 2016, Spring 2017)

(Approval Required)

## IGST0506 REES Independent Project (Spring 2017)

## IGST0700 Senior Work (Fall 2016, Spring 2017)

(Approval Required)

## IGST0701 Russian and East European Studies Senior Thesis (Fall 2016, Spring 2017)

(Approval Required)

## IGST0702 European Studies Senior Thesis (Fall 2016, Spring 2017)

(Approval Required)

## IGST0703 Latin American Studies Senior Thesis (Fall

## 2016, Spring 2017)

(Approval Required)

## IGST0704 East Asian Studies Senior Thesis (Fall 2016, Spring 2017)

(Approval Required)

## IGST0705 African Studies Senior Thesis (Fall 2016, Spring 2017)

(Approval Required)

## IGST0706 Middle East Studies Senior Thesis (Fall 2016, Spring 2017)

(Approval Required)

## IGST0707 South Asian Studies Senior Thesis (Fall 2016, Spring 2017)

(Approval Required)

### Italian

Our programs offer students the opportunity to achieve high competence in written and spoken Italian, in understanding Italian literature and culture, and in applying this linguistic, literary, and cultural knowledge to the study of other disciplines. During the academic year our program emphasizes the study of literature and culture in the context of language acquisition. The other integral components of Italian at Middlebury are the Italian School (summer on the Middlebury College campus or at our satellite campus at Mills College, in Oakland, California), and the C. V. Starr-Middlebury College School in Italy (junior year or semester), where students can take courses in our magnificent Sede in Florence (in the Renaissance Palazzo Giugni), or can direct-enroll in our programs at the University of Firenze, the University of Ferrara, or the University of Rome, La Sapienza. These rich programs encourage students to deepen and broaden their study of Italian literature, cinema, history, art history, political science, and many other disciplines. During the academic year in Middlebury, all four levels of courses in Italian are available every semester, and for qualified students faculty members are also available to direct independent research projects (ITAL 0550).
***Major in Italian:*** For a full or double major in Italian, students must complete nine credits beyond ITAL 0103, including senior work: two courses at the 0400 level, but only one 0400 course for students who spend a whole year in Italy (Please note: ITAL 0101, 0102, and 0103 do not count for the major). Majors are normally expected to study at least one semester at the C.V. Starr-Middlebury College School in Italy (Florence), or at the Universities of Firenze, Ferrara or Rome, and upon their return from Italy they must normally take an Italian course each semester. A student can complete a major with courses at the Italian School in the summer. No more than

three credits per semester from Study Abroad in Italy are applicable to the major.One credit towards the Major can be fulfilled by successfully taking a course in English with an approved section in Italian (History of the Italian Language; Italian Cinema; Italy Through Sicily).
***Joint Major in Italian:*** For the joint major in Italian, students must complete seven credits beginning with ITAL 0251, including one course at the 0400 level. Students must also complete a joint project credited in either of the two disciplines, as well as fulfill the requirements in the second discipline. Students are normally expected to complete one semester at either the C.V. Starr-Middlebury College School in Florence, the University of Firenze, the University of Ferrara, or the University of Rome, La Sapienza. No more than three credits per semester from coursework in Italy are applicable to the Italian part of the major.
***International and Global Studies Major with Italian (European Studies Track)*:** Along with other required courses and senior work as described in the International and Global Studies major section, the Italian language component of an International and Global Studies major requires completion of the following: 1) Italian courses required for study in Italy (see below); 2) one semester, and preferably a full year, at the C.V. Starr-Middlebury College School in Florence, the University of Ferrara, or the University of Rome; 3) at least one 0400-level course in Italian upon return from Italy. Regional specialization requirements for the International and Global Studies major may include ITAL 0290-level courses (in English) as well as 0300-level courses taught at Middlebury or in Italy.
***Minor in Italian:*** The Italian minor consists of six courses: ITAL 0251, ITAL 0252 (or two courses counted from ITAL 3251-3252-3253 in the Italian Summer School) and four courses at the 0300-level or higher. Students entering the program with a standing beyond the ITAL 0252-level are required to take at least one 0400-level course as part of the Italian minor. All courses at the 0300-level can be completed during the academic year at Middlebury, at the Italian School, or at one of the affiliated Middlebury programs in Italy (Florence, Ferrara, or Rome).
***Senior Work:***Students who major in Italian are required to complete a senior project (ITAL 0755).
***Honors***: To earn departmental honors, high honors*, or highest honors** a student must have at least a 3.6, 3.7*, or 3.8** average or above in Italian courses other than the senior project, have a project defense, and receive a grade of at least B+, A-*, or A** on the thesis (ITAL 0755).
***Fulfilling The Middlebury College Writing Requirement***: All Italian majors, joint majors, minors, and International and Global Studies majors with literature and culture focus in Italian are strongly encouraged to fulfill their college writing requirement by enrolling in CMLT 0101 Introduction to World Literature.
***Requirements for Junior Year/Semester Abroad***: The Italian language proficiency requirements for participation in study abroad in Italy can be completed with any combination of courses at the Middlebury campus (summer or academic year) that culminates with the successful completion of ITAL 0252 during the academic year or ITAL 3253 at the Summer School. Students must also have an overall academic average of at least B-, an average of B in Italian (or additional course work), and be enrolled in an Italian course the semester before departure. Because of the demanding and intensive nature of our programs in Middlebury, and because of the difficulty of finding equivalent programs in the United States or in Italy, we do not accept alternative programs for the fulfillment of study abroad requirements.
***C.V. Starr-Middlebury School in Italy-Florence:*** Students may study for a semester or for a full year in Italy. Fall and spring term students enroll for language, literature, and civilization courses in September and January. For examples of recent courses, please refer to the course database: http://www.middlebury.edu/international/sa/cid. Students studying in Florence are also expected to enroll in at least two elective courses at the Universit degli Studi di Firenze. Subject areas generally offered there include archeology, philology, Italian literature, linguistics, international relations, political science, comparative politics, sociology, history, art history, and history of economics.

***C.V. Starr-Middlebury School in Italy-Ferrara/Rome***: Students who apply to the programs at the University of Ferrara or the University of Rome must contact the department chair to discuss their plans. Important: All students studying at the University of Ferrara or the University of Rome must take a literature course, in consultation with the department chair. Subject areas often offered include Italian literature, comparative literature, history, linguistics, philosophy, geography, art history, architecture, theater history, sociology, and international economics as well as other disciplines.

## ITAL0101 Beginning Italian (Fall 2016)

This course is an introduction to the Italian language that provides a foundation in both spoken and written Italian. Focus on the spoken language encourages rapid mastery of the basic structures and vocabulary of contemporary Italian. The exclusive use of Italian in dialogue situations and vocabulary building encourages the student to develop skills in a personalized context. Conversation and drill are stimulated and fostered through active reference to popular Italian music, authentic props, and slides of Italian everyday life and culture. Students are required to participate in the Italian table. 6 hrs. disc./perf.; 2 hrs. screen **LNG** (I. Brancoli Busdraghi, S. Mula)

## ITAL0103 Beginning Italian III (Spring 2017)

This course emphasizes increased control and proficiency in the language through audiovisual, conversational, and drill methods. Italian life and culture continue to be revealed through the use of realia. Short reading selections on contemporary Italy and discussions enlarge the student's view of Italian life and culture. Students continue to participate in the Italian table. (ITAL 0102 or equivalent) 6 hrs. disc./perf.; 2 hrs. screen. **LNG** (I. Brancoli Busdraghi, S. Mula)

## ITAL0123 Accelerated Beginning Italian (Spring 2017)

This course is an intensive introduction to the Italian language that condenses the material normally covered in ITAL 0101 and 0102. We will focus on the spoken language and encourage rapid mastery of the basic structures and vocabulary. Conversation and drill will be stimulated and fostered through active reference to popular Italian culture, film, and music. We will meet 5 times a week including two 75-minutes meetings and an additional drill session. After completing this course students will be fully prepared for second-year Italian. 6 hr lect./disc./1.5 hr drill **LNG** (M. Van Order)

## ITAL0251 An Introduction to Contemporary Italy (Fall 2016)

Intended for students at the intermediate level, this course will afford the opportunity to expand conversation, writing, and reading skills while consolidating knowledge of the more difficult points of grammar. The contextual focus of the course is contemporary Italian culture, including contemporary history and politics, the economy, the division between North and South, immigration from developing countries, environmental issues, and popular music, among others. Italian films, music, and articles from newspapers and news magazines will enhance and complete the learning experience. (ITAL 0250, waiver, or equivalent) **EUR, LNG, SOC** (S. Carletti, M. Van Order)

## ITAL0252 Italian Culture II: From the Sixties to the Present Day (Spring 2017)

To deepen the historical knowledge gained in ITAL 0251, we will discuss and analyze modern and contemporary Italian literature of various genres, as well as essays, art, and film. In the context of reading, critical viewing, textual analysis, and discussion, we will continue to develop both historical and linguistic competence. Discussion and the writing process, along with selected exercises, will continue to refine grammatical competence. (ITAL 0251) 3 hrs. lect./disc. **LIT, LNG** (S. Carletti, I. Brancoli Busdraghi)

## ITAL0299 Literary Feasts: Representations of Food in Modern Narrative (in English) (Spring 2017)

This course will consider food and eating practices within specific cultural and historical contexts. We will analyze realistic, symbolic, religious, erotic, and political functions surrounding the preparation and consumption of food. Readings will be drawn from several national traditions, with a focus on Europe. Authors will include, among others, I. Dinesen, L. Esquivel, J. Harris, E. Hemingway, T. Lampedusa, P. Levi, C. Petrini, M. Pollan, E. Vittorini, and B. Yoshimoto. Viewing of several films where food and eating play an important role will supplement class discussion. **EUR, LIT** (S. Carletti)

## ITAL0351 The Italian Family (Fall 2016)

Recent sociological analyses indicate that in Europe, family solidarity still remains strongest in Italy. The Italian family offers positive benefits, as the wide-spread image of close-knit, multigenerational families suggests. However, recent studies also demonstrate negative results, occasioned by adult childrenâs long dependence on the family, power struggles between matriarchs and patriarchs, and a relatively closed attitude toward blending Italian families with those of other ethnicities and races. How did Italian families evolve from the early 20th century to the present? Supported by historical and social science analyses, modern and contemporary literature and film will provide the focus of our explorations. (ITAL 0252 or equivalent) 3 hrs. sem. **EUR, HIS, LIT** (P. Zupan)

## ITAL0353 Literature of Migration in Italy (Spring 2017)

How is Italy changing due to immigration and emigration? Why do immigrants to Italy choose to leave their home countries, and why, on the other hand, do some Italians choose to emigrate from Italy? In this course we will examine contemporary Italy through the lens of migration. Students will read and discuss critical essays and literary texts such as Jhumpa Lahiriâs In altre parole and Igiaba Scegoâs Adua, watch movies such as Lamerica, and discuss the cultural, economic, and literary aspects of migration in Italy. (In Italian; ITAL 0252 or by approval) 3 hrs. sem. **EUR, LIT** (S. Mula)

## ITAL0453 Literature of Migration in Italy (Spring 2017)

How is Italy changing due to immigration and emigration? Why do immigrants to Italy choose to leave theirÂ home countries, and why, on the other hand, do some Italian choose to emigrate from Italy? In this course we will examine contemporary Italy through the lens of migration.

Students will read and discuss critical essays and literary texts such as Jhumpa Lahiriâs *In altre parole* and Igiaba Scegoâs *Adua*, watch movies such as *Lamerica*, and discuss in class and online the cultural, economic, and literary aspects of migration in Italy. In Italian, Italian 252 or by approval. 3 hrs. Sem. **EUR, LIT** (S. Mula)

## ITAL0459 Modern Italian Literature and Culture (Fall 2016)

This course will consider the works of Italian twentieth-century novelists and will explore the authors' narrative techniques within a larger discussion of the social context that their works reflect and interpret. Focusing on novels by Natalia Ginzburg, Carlo Levi, Carlo Collodi, Italo Calvino, we will discuss issues related to gender roles, family, education, class, and politics. Special attention will be devoted to each author's approach to the art of storytelling. Films inspired by some of the novels will supplement the readings. (ITAL 0355 or equivalent) 3 hrs. disc. **EUR, LIT** (S. Carletti)

## ITAL0550 Independent Study (Fall 2016, Spring 2017)

Italian faculty as a group will consider and approve requests by qualified juniors and seniors to engage in independent work. Students must submit a prospectus that includes a bibliography of no less than five sources. Interested students should contact members of the Italian faculty before the end of the preceding term to discuss their project and to see if they are available to direct the Independent Study. Students must submit a prospectus with the department chair by the end of the first week of classesfor fall and spring term approvals, by the end the last week of fall semesterfor winter term approvals. Prior to submission, sufficient advance consultation with project directors is required.Junior students are strongly encouraged to consider independent study as preparation for senior honors thesis work.

## ITAL0755 Senior Honors (Fall 2016, Spring 2017)

Students majoring in Italian must complete an independent senior project. Italian faculty as a group will consider and approve the proposals, which should be submitted before the last week of the preceding semester. The senior project will be advised by one member of the Italian department, but will be presented to the whole department. Italian honors will be awarded to eligible students depending on the final grade. (Staff)

### Japanese

*Required for the Major*: The major requires students to achieve proficiency in Japanese language (four years or equivalent) and culture (four courses), to study abroad for at least one semester, and to complete a 0400-level seminar in the Japanese Studies department.
To meet the language proficiency requirement of four years of study (or equivalent), students are strongly encouraged to begin the study of Japanese in their first academic year. Students who begin study of Japanese in the sophomore year must attend the summer Japanese School before study abroad in Japan.
Courses fulfilling the four-course culture requirement are: JAPN 0110, JAPN 0175, JAPN 0198, JAPN 0210, JAPN 0212, JAPN 0215, JAPN 0217, JAPN 0230, JAPN 0237, JAPN 0245, JAPN 0250, JAPN 0260, JAPN 0262, andJAPN 0290and JAPN 0330.At least twoculture coursesfrom this listmust be taken before approval for study in Japan.

Studying in Japan for one semester (Fall or Spring) is required, but studying in Japan for the full junior year isstrongly encouraged.Elective courses taken in Japan, in addition to language courses, are strongly encouraged but will not substitute for the four required culturecourses to be taken at Middlebury.
Seniors are required to take at least one seminar in the Japanese Studies department at the 0400 level: JAPN 0435, JAPN 0450, JAPN 0451, or JAPN 0475.
Students are strongly encouraged to take courses on Japan offered abroad and on the Middlebury campus in History, Religion, History of Art and Architecture, or other departments. These additional courses allow students the opportunity to enhance Japanese language and culture study according to individual interests, but do not count towards the major.
***Honors***: Successful completion of one advanced language course and JAPN 0700 Senior Thesis with a grade of B+ or above are required for graduation with departmental honors. Departmental honors will be awarded according to the grade point average of courses taken in the department, in the summer Middlebury Japanese School, and in Japan. A grade point average of 3.3 in these courses is required for graduation with honors. A grade point average of 3.75 and a grade of A on the thesis are required for High Honors.
***Required for the Minor:*** Courses required for the minor in Japanese are completion of language courses to the level of JAPN 0202, or the equivalent, and two additional courses offered by the Japanese Studies department in culture, literature, linguistics,or film. Courses fulfilling the two-course culture requirement are: JAPN 0110, JAPN 0175, JAPN 0198, JAPN 0210, JAPN 0212, JAPN 0215, JAPN 0217, JAPN 0230, JAPN 0237, JAPN 0245, JAPN 0250, JAPN 0260, JAPN 0262, andJAPN 0290and JAPN 0330.

***Middlebury's Summer Language School:*** Intensive language courses are available each summer at Middlebury's Japanese School. During the eight-week session, students and faculty live in the same Japanese language dormitory, take their meals together, and communicate exclusively in Japanese, whether in the classroom or outside of class. For all students pursuing the study of Japanese language and culture, and especially prior to study abroad in Japan, a summer of concentrated study at the second-, third,- or fourth-year level in Middlebury's intensive Japanese School is strongly recommended. Students who are unable to begin the study of Japanese in their first year at Middlebury are strongly encouraged to begin or accelerate their study by taking a course in the intensive summer program.
***Study in Japan:*** Majors in Japanese Studies are required to spendat least one semester studying abroad in Japan. The C.V. Starr-Middlebury School in Japan, located in Tokyo, offers intensive language courses and topics courses in Japanese. Students have residential options in dormitories or in home-stays arranged by the program.
***Language Technology and Resources:*** Japanese courses incorporate a variety of computer-driven teaching and learning strategies. Video and audio materials for first- and second-year levels are available on any computer, so that students can view and listen to authentic materials at any time in their dorm rooms or in labs. Japanese films, scripts, and anime in advanced-language courses are also available on the Web to students enrolled in those courses. Many Japanese literature and culture offerings are Web-based multimedia courses. Instructors often make use of conferencing and other electronic tools to extend learning beyond regular class hours. The Middlebury College Library contains an extensive collection of works in English on most aspects of Japan; in addition, there are 1,700 works in Japanese, with special strengths in literature and linguistics.

# JAPN0101 First-Year Japanese (Fall 2016)

This course is an introduction to the modern Japanese language aimed at acquisition of the four basic skills speaking, listening comprehension, reading, and writing. The emphasis is on

thorough mastery of the basic structures of Japanese through intensive oral-aural practice and extensive use of audiovisual materials. The two kana syllabaries and kanji (characters) will be introduced toward the goals of developing reading skills and reinforcing grammar and vocabulary acquisition. 3 hrs. lect./3 hrs. drill **LNG** (S. Abe)

## JAPN0103 First-Year Japanese (Spring 2017)

This course is a continuation of the fall and winter terms with the introduction of more advanced grammatical structures, vocabulary, and characters. The continuing emphasis of the beginning Japanese course will be upon acquisition of well-balanced language skills based on an understanding of the actual use of the language in the Japanese sociocultural context. (JAPN 0101, JAPN 0102) 3 hrs. lect./3 hrs. drill **LNG** (S. Abe)

## JAPN0110 Current Social Issues in Japan (in English) (Spring 2017)

In this course we will use ethnography, fiction, and historical studies to examine some of the underlying themes of Japanese culture. Japan is a highly developed, post-industrial society renowned across the globe for economic success in the post-World War II period. What historical and social factors have shaped Japanâs contemporary culture, and how have interactions with other countries influenced Japanese society? We will study a number of different spheres of Japanese life including the family and the workplace to better understand contemporary society. We will pay special attention to Japanâs global position and its relationship to the United States. 3 hr. lect./disc. (Anthropology) **AAL, SOC** (L. White)

## JAPN0201 Second-Year Japanese (Fall 2016)

The goals of the intermediate course are to develop the ability to understand conversational Japanese at natural speed, to express oneself accurately and smoothly in various situations, to read nontechnical materials at reasonable speed with the use of the dictionary, and to express oneself in writing with relative ease. Understanding of Japanese culture will be broadened and deepened through mastery of the course materials. (JAPN 0103 or equivalent) 3 hrs. lect./3 hrs. drill **LNG** (M. Takahashi)

## JAPN0202 Second-Year Japanese (Spring 2017)

This course is a continuation of JAPN 0201. (JAPN 0201 or equivalent) 3 hrs. lect./3 hrs. drill **LNG** (M. Takahashi)

## JAPN0230 Rethinking the Body in Contemporary Japan (In English) (Spring 2017)

In this course we will examine attitudes toward and tensions related to the human body in Japan. Looking at art, music, style, and social issues we will examine the symbolic as well as material concerns of bodies in contemporary Japan. Religious, historical, martial, and aesthetic understandings of bodies will be addressed. We will analyze Japan's current attitudes toward organ transplantation, treatment of the deceased, plastic surgery, surrogacy, sex change surgery and other embodied practices. Readings will include *Twice Dead* and *Commodifying Bodies*. 3

hrs. lect./disc. **AAL, SOC** (L. White)

## JAPN0235 History of Pre-Modern Japan (Fall 2016)

In this course we will explore the social, cultural, and institutional history of Japan from the eighth century up through the rise of the Tokugawa shogunate in the 17th century. The course is organized thematically to illuminate the different periods of Japanese history, including the imperial origin myth and Heian culture, the frontier and the rise of samurai government, localism and the warring states period, and finally the Tokugawa settlement and the paradoxes of centralized feudalism. Pre-1800. 3 hrs. lect/disc. **AAL, HIS, SOC** (M. Ward)

## JAPN0236 The History of Modern Japan (Spring 2017)

In this course we will review the major themes and events of modern Japanese history from the Meiji Restoration (1868) to the present. Through reading a variety of primary texts, historical analyses, and literature, as well as watching films, we will explore the formation of the modern Japanese nation-state, Japanâs colonial project in East Asia, 1920s mass culture, the question of Showa fascism, and Japanâs unique postwar experience, from occupation to high-growth and the âlost decadeâ of the 1990s. We will pay particular attention to the relationship between changes within Japan and larger global trends. 3 hrs. lect./disc. **AAL, HIS, SOC** (M. Ward)

## JAPN0250 Gender in Japan (in English) (Fall 2016)

In this course we will examine changing ideas about gender and sexuality in Japan in the 10th through 20th centuries, with special attention to the modern period. Sources will include literary texts, films, and social/historical studies. We will discuss topics, including women's writing in classical Japan; the commercialization of sexuality in the 18th century; ideas of "homosexuality" in late-medieval and modern times; and women's social roles and political struggles in the 20th century. 3 hr. lect./disc. **AAL, LIT** (L. White)

## JAPN0290 The Tale of Genji (in English) (Fall 2016)

/The Tale of Genji/ is the worldâs first psychological novel. This rich narrative centers on the political intrigues and passionate love affairs of Genji, a fictional prince barred from the throne. In this course we will explore the narrative through a close reading in English translation. Students will gain knowledge of the aesthetic, religious, and social contexts of the Heian period, one of the most vibrant eras in Japanese culture. We will also trace how *Genji monogatari* has been interpreted over ten centuries in art, theater, films, and most recently, manga. (Formerly JAPN 0190) 3hrs. lect/disc. **AAL, LIT** (C. Cavanaugh)

## JAPN0301 Third-Year Japanese (Fall 2016)

This advanced course aims to increase the student's proficiency in modern standard Japanese, both spoken and written. A variety of written and audiovisual materials will be used to consolidate and expand mastery of more advanced grammatical points and vocabulary. Oral presentation, discussion, and composition in Japanese are also important components of the course. (JAPN 0202 or equivalent) 3 hrs. lect./3 hrs. drill **LNG** (S. Abe)

## JAPN0302 Third-Year Japanese (Spring 2017)

This course is a continuation of JAPN 0301. (JAPN 0301 or equivalent) 3 hrs. lect./3 hrs. drill **LNG** (S. Abe)

## JAPN0312 Tokyo: Between History and Utopia (Spring 2017)

In this course we will explore the history of Tokyoâfrom its "prehistory" as a small castle town in the 16th century to the cosmopolitan metropolis of the 20th centuryâand trace how Tokyo has captured the imagination as a space of possibility, of play, and for many, of decadence. Through a range of sources, including films, novels, ethnographies, and historical essays, we will use Tokyo as a "site" (both urban and ideological) through which to explore broader questions related to capitalist modernity, the formation of the nation-state, cultural identity, gender politics, and mass-culture. 3 hrs. sem. **AAL, HIS, SOC** (M. Ward)

## JAPN0330 Global Japanese Culture (in English) (Fall 2016)

In this course we will examine the transformation of Japanese cultural identity (Japanese-ness) as products, ideas, and people move across the borders in and out of Japan. Social scientists have been particularly interested in the Japanizing of non-Japanese practices and products such as hip hop and hamburgers, as well as the popularity of Japanese styles and products on the global scene. We will take an anthropological approach using texts such as *Millennial Monsters*, *Remade in Japan*, and *Hip Hop Japan* to examine the issues of cultural hybridity, identity, and globalization. 3 hrs. lect./disc. **AAL, CMP, SOC** (L. White)

## JAPN0402 Advanced Japanese (Spring 2017)

This course is a continuation of JAPN 0401. 3 hrs. lect./disc. (K. Davis)

## JAPN0435 Workshop in Literary Translation (Spring 2017)

Literary translation is a valuable but often neglected skill for advanced language learners. In this workshop we will consider the basic theoretical arguments in translation studies influencing translation styles and then practice translation in a variety of literary genres. Sessions will include discussions of translation strategies and active peer critique of sample translations. Each student will produce a substantial translation as the semester project. Topics covered will include: text selection, translation ethics, practical methodologies, and publishing industry standards. (JAPN 0402 concurrent or prior) **AAL, LIT, LNG** (S. Snyder)

## JAPN0475 Advanced Reading in Japanese Studies (Fall 2016)

In this course students will read original materials in a variety of disciplines and develop skills to analyze and discuss them in Japanese. Advanced listening practice, oral presentation and academic writing will also be emphasized. (Approval only) 3 hrs. disc. (K. Davis)

# JAPN0500 Independent Project (Fall 2016, Spring 2017)

Qualified students may be permitted to undertake a special project in reading and research under the direction of a member of the department. Students should seek an advisor and submit a proposal to the department well in advance of registration for the term in which the work is to be undertaken.

# JAPN0700 Honors Thesis (Fall 2016, Spring 2017)

Students write a thesis in English with a synopsis in Japanese on literature, film, or culture. The topic for the thesis is chosen in consultation with the instructor. (JAPN 0475)

## Jewish Studies Minor

### What is Jewish Studies?

Jewish Studies ranges over the study of Jews and Judaism from the Biblical period to the present. It takes Judaism not only as a "religion," but as a civilization and culture encompassing a rich textual tradition, literature in several languages, philosophy and theology, customs and ritual, art, music and film. Jewish Studies is by its nature interdisciplinary and can be approached, for example, from within the disciplines of history, religion, sociology and anthropology, or literary study. The program also sponsors a wide array of lectures and other events, including the annual Hannah A. Quint Lecture in Jewish Studies.

A distinguishing aspect of Middlebury's program is the depth of study possible in Hebrew. Middlebury also offers a Hebrew Minor, with courses in both Modern and Classical Hebrew.Introductory ModernHebrew is offered every year, and Introductory Classical Hebrew in alternate years, usually in Winter Term. (For Hebrew course descriptions, click on the link to Courses, upper left.)

### Participating Faculty:

*Professors:* Robert S. Schine (Religion/Classics), Director of the Jewish Studies program; Theodore Sasson, (Jewish Studies); O. Larry Yarbrough (Religion); Tamar Mayer (Geography; Robert Cohen (English and American Literatures). *Associate Professors*: Rebecca Bennette (History); Oz Aloni (Hebrew)and Orian Zakai (Hebrew). *Program Coordinator:*Vijaya L. Wunnava

Hebrew
Jewish Studies

# JWST0234 State and Society in Contemporary Israel (Fall 2016)

In this course we will examine Israeli society and politics in a period of rapid and profound transformation. We will begin with an introductory unit on Zionism, Palestinian nationalism, and the history of the state. Subsequent units will examine the social, cultural, and political characteristics of Israelâs main population sectors (European, Middle Eastern, Russian, and Ethiopian Jews and Palestinian citizens of the state) and religious groupings (Muslims and Jews, including secular, traditional, national-religious, and ultra-Orthodox). The final units will examine ongoing political struggles that will shape the future of the state, including struggles

over the role of religion in public life; civil rights and democracy; and West Bank settlements and the Palestinian-Israeli peace process. Most readings assignments will be social scientific or historical in nature, but will also include some journalism and literature. 3 hrs. lect. (Sociology) **AAL, SOC** (T. Sasson)

## JWST0264 Conflict and Identity: Jewish-Christian Interactions (Spring 2017)

âUrging a Jew to convert to Christianity is like advising a person to move upstairs while demolishing the ground floor.â This quip by Moses Mendelssohn epitomizes Christianityâs conflicted attitude to its Jewish origin, affirming it while rejecting it. Yet the relationship is not symmetrical, for the very reason that Judaism precedes Christianity. In this course we will examine the troubled history of the relationship between Christians and Jews from antiquity to the present. Readings include Church Fathers, rabbinic texts, medieval polemics, law codes regulating Jewish-Christian interactions (particularly governing food and table fellowship) and modern interfaith dialogue. 3 hrs. lect./disc. **EUR, HIS, PHL**

## JWST0273 Diasporas and Homelands (Fall 2016)

War, mass migration, and globalization have spurred development of diaspora communities and heightened scholarly interest in the phenomenon. In contrast to other groups of exiles and immigrants, diaspora communities seek integration within host countries as well as ongoing political, economic, and cultural ties to their homelands. A number of questions arise from these complex and dynamic relationships: How do diaspora communities maintain cultural distinctiveness within host countries? How do they maintain and reproduce cultural ties with homelands and other centers of diaspora life? What influence do diaspora communities have on political relationships between host countries and homelands? What influence do they have on internal homeland politics? Finally, what are the implications of the diaspora phenomenon for the future of the nation state and globalization? Case studies will be drawn from a variety of diaspora communities, including Armenians, Nigerians, Jews, Palestinians, Dominicans, and South Asians. 3 hrs. lect. (Sociology) **CMP, SOC** (T. Sasson)

## JWST0297 Middle Eastern Political Religion (Fall 2016)

Since the Iranian Revolution of 1979 and the rise of Religious Zionism in Israel, Middle Eastern politics and religion have become inextricably linked. In this course we examine the relationship between politics and religion in the Arab states, Israel, and Iran. Readings include selections from the scriptures of the monotheistic traditions, historical accounts of religious and political change, and theoretical analyses of historical trends. Throughout the term we will follow news accounts of current developments in the Middle East. 3 hrs. lect. **AAL, PHL** (S. Goldman)

## HEBM0101 Introductory Modern Hebrew I (Fall 2016)

In this course students will become acquainted with the basic grammatical and formal concepts necessary for the comprehension of the Modern Hebrew language. We will focus on the fundamentals of reading, writing, listening, and speaking, with a particular emphasis placed on the acquisition of conversational ability. We will also make use of audiovisual, situational, and cultural exercises, and give attention to the elements of Classical form and style that provided a foundation for Modern Hebrew, which was revived as a vernacular in the late 19th century. No

previous knowledge of Hebrew is required. 6 hrs. **LNG** (O. Zakai)

## HEBM0103 Introductory Modern Hebrew III (Spring 2017)

This course is a continuation of Modern Hebrew 0102 which will be offered during winter term. Students will further develop their skills in written and oral communication, and will expand their knowledge of the cultures of modern Israel through both audio and visual media. (HEBM 0102 or equivalent) 5 hrs. lect. **LNG** (O. Aloni)

## HEBM0201 Intermediate Modern Hebrew I (Fall 2016)

This course is a continuation of HEBM 0103. Using authentic audio and visual materials, we will place emphasis on developing the skills required for intermediate-level written and communicative competence. In addition, students will gain a deeper understanding of the forms and style of Classical Hebrew, both of which are necessary for formal composition, interaction, and reading comprehension in Modern Hebrew. (HEBM 0103 or equivalent) 5 hrs. lect/disc **LNG** (O. Aloni)

## HEBM0237 The Israeli-Palestinian Conflict in Literature and Film (Fall 2016)

The Israeli-Palestinian conflict has been the subject of diverse cultural productions from the beginning of the 20th century to the present day. In this course we will look at the representation of the conflict in Palestinian and Israeli literature and film, exploring the ways in which images, metaphors, and narratives shape and reflect political realities. The course will include the historical evolution of the conflict, and will introduce students to theoretical concepts of use in analyzing political issues through a cultural lens. We will also examine the intersections of the geo-political conflict with gender, sexuality, ethnicity and religion as represented in cinematic and literary works. Class materials will include the films, *Hill 24 Doesnât Answer*, *The Time that Remains*, *The Lemon Tree*, *The Bubble*, and *Avenge but One of My Two Eyes*, as well as works of poetry and prose by authors, Hayim Guri, Natan Aleterman, Dalia Rabikovitch, Amos Oz, Mahmood Darwish, Adania Shibli, Sayed Kashua, and Others. **AAL, CMP, CW, LIT** (O. Zakai)

## HEBM0261 The Sleeping Beauty: Themes in the Cultural and Linguistic History of the Hebrew Language (Spring 2017)

The Hebrew Language has been awakened. In this course we will explore when, where, why, and by whom was this Sleeping Beauty was revived; how both its awakening and hibernation has been connected to linguistic, cultural, and societal transformation over 25 centuries. We will examine poetry, liturgy, Midrash, and other writing by philosophers, poets, linguists, and religious leaders. We will discuss the connection of the revival of the language to the Zionist movement. Throughout the course we will try to answer questions such as: Why do we regard Hebrew as one and the same language after three millennia of constant linguistic change? Was the revival of Hebrew a miracle or a failure? How did Hebrew influence Jewish practices of

exegesis? 3 hrs. lect./disc. **SOC** (O. Aloni)

# HEBM0301 Advanced Intermediate Hebrew (Fall 2016)

This course will reinforce the acquired skills of speaking, listening comprehension,reading, and writing at the intermediate to mid/high level. We will focus primarily on contemporary cultural aspects, conversational Hebrew, reading of selections from Modern Literature: prose and poetry, skits, and newspaper articles. 3 hrs. lect./disc. **AAL, LNG** (O. Aloni)

# HEBM0302 Advanced Hebrew (Spring 2017)

This course is a continuation of HEBM 0301. The course will reinforce and expand studentsâ speaking, listening comprehension, reading, and writing skills at an advanced level. We will focus primarily on contemporary cultural issues, conversational Hebrew, and reading selections from modern literature; including prose and poetry, skits, and newspaper articles. 3 hrs. lect./disc. **AAL, LNG** (O. Zakai)

# HEBM0500 Independent Project (Fall 2016, Spring 2017)

(Approval Required)

# HEBR0500 Independent Study (Fall 2016)

Approval required.

## Linguistics

The linguistics minor consists of a minimum of **five courses**: two required introductory level courses and three electives.

**Required courses for the minor are as follows:**
LNGT 0101 Introduction to Linguistics
LNGT 0102 Introduction to Sociolinguistics or LNGT/SOAN 0109 Language, Culture, Society

**Electives include the following:**
LNGT 0226 Phonetics and Phonology
LNGT 0250 Morphology and Syntax
LNGT 0280 Formal Semantics
LNGT/WRPR 0110 English Grammar: Concepts & Controversies
LNGT/EDST 0205 Second Language Acquisition and Educational Technology
LNGT/JAPN 0210 Japanese Linguistics
LNGT/ARBC 0225 Arabic Linguistics
LNGT/ARBC 0227 Arabic Sociolinguistics
LNGT/RUSS 0232 Nature and Origin of Language
LNGT/CHNS 0270 Chinese Sociolinguistics
LNGT/SPAN 0303 Introduction to Spanish Phonetics/Pronunciation (taught in Spanish)
LNGT/SPAN 0317Spanish Pronunciation (taught in Spanish)
LNGT/SPAN 0322 Introduction to Hispanic Linguistics (taught in Spanish)
LNGT/PHIL 0354 Philosophy of Language
LNGT/GRMN 0370 German Linguistics (taught in German)

LNGT/SPAN 0390 Linguistic Variation (taught in Spanish)
LNGT/SOAN 0395 Language and Environment
LNGT/ARBC 0421 Arabic Linguistic Variation (taught in Arabic)
LNGT/ARBC 0435 Arabic Diglossia (taught in Arabic)
LNGT/SOAN 0459 Language and Power
LNGT 1001 Introduction to Translation Studies
LNGT/EDST 1003 Introduction to TESOL

**Please Note: Students are advised to check with the director for a complete list of courses that count as electives. All electives are taught in English, unless otherwise indicated.**

## LNGT0101 Introduction to Linguistics (Fall 2016)

In this course we will discuss the major issues and findings in the study of human language within theories of modern linguistics. The main topics include the nature of human language as opposed to other communication systems; sound patterns (phonology); word-formation (morphology); sentence structure (syntax); meaning (semantics); language and the brain; language acquisition; geographical and social dialects; and historical development of language and language change. 3 hrs. lect./disc. **SOC** (M. Walkow)

## LNGT0102 Introduction to Sociolinguistics (Fall 2016)

In this course, we will explore the ways that language creates and reflects social identities. We will look at the contextual factors-social, cultural, geographical, political, etc.-that impact language use and variation. Themes for this course will include linguistic variation, language and identity, language policy, and language in the media. We will consider questions such as: What distinguishes a language from a dialect? How and why do some language varieties become privileged? How do notions of politeness and respect vary across linguistic contexts? In essence, we will learn how language shapes our world, and how we shape language itself. **SOC** (S. Shapiro)

## LNGT0109 Language, Culture and Society (Spring 2017)

In this course students will be introduced to the comparative, ethnographic study of language in relation to socio-cultural context. Our readings will be drawn from diverse global settings and will focus upon language as the means by which people shape and are shaped by the social worlds in which they live. We will examine contrasts in ways of speaking across different communities, personal identities, and institutions. We will explore the consequences of communicative difference across a range of contact situations, including everyday conversation among peers, service encounters, political elections, and global connections or disconnections made possible through new media. 3 hrs. lect./disc. *(Anthropology)/* **CMP, SOC** (M. Nevins)

## LNGT0226 The Sounds of Language: Introduction to Phonetics and Phonology (Fall 2016)

In this course we will study the description and analysis of speech: how the sounds of language are physiologically produced, acoustically represented, and psychologically perceived and categorized. Through acoustic and phonological analysis, students will develop the skills to

distinguish and produce the sounds of the worldâs languages, as well as explore the sound systems of different languages, in order to determine which patterns differ and which patterns are common to all. Students will hone their analytical and technical skills by solving phonological problem sets as well as by using computer software (Praat) to analyze the acoustics of speech. 3 hrs. lect./disc. **SCI** (M. Rohena-Madrazo)

## LNGT0261 Revival of the Hebrew Language (Spring 2017)

**The Sleeping Beauty: Themes in the Cultural and Linguistic History of the Hebrew** Language*
The Hebrew Language has been awakened. In this course we will explore when, where, why, and by whom was this Sleeping Beauty was revived; how both its awakening and hibernation has been connected to linguistic, cultural, and societal transformation over 25 centuries. We will examine poetry, liturgy, Midrash, and other writing by philosophers, poets, linguists, and religious leaders. We will discuss the connection of the revival of the language to the Zionist movement. Throughout the course we will try to answer questions such as: Why do we regard Hebrew as one and the same language after three millennia of constant linguistic change? Was the revival of Hebrew a miracle or a failure? How did Hebrew influence Jewish practices of exegesis? 3 hrs. lect./disc. **SOC** (O. Aloni)

## LNGT0270 Chinese Sociolinguistics (taught in English) (Spring 2017)

Sociolinguistics is mainly concerned with the interaction of language and society. The language situation in China is unique both in the modern world and in human history. We will gain a good understanding of sociolinguistics as a scientific field of inquiry through exploring the Chinese situation in this course. Some of the questions we will ask are: What is Mandarin (Modern Standard) Chinese? Who are "native speakers" of Mandarin? Are most Chinese people monolingual (speaking only one language) or bilingual (speaking two languages) or even multilingual? How many "dialects" are there in China? What is the difference between a "language" and a "dialect"? Are Chinese characters "ideographs", i.e., "pictures" that directly represent meaning and have nothing to do with sound? Why has the pinyin romanization system officially adopted in the 1950s never supplanted the Chinese characters? Why are there traditional and simplified characters? We will also explore topics such as power, register, verbal courtesy, gender and language use. Students are encouraged to compare the Chinese situation with societies that they are familiar with. (One semester of Chinese language study or by waiver) **AAL, SOC** (H. Du)

## LNGT0303 Introduction to Spanish Phonetics and Pronunciation (Fall 2016)

In this course we will study the sound system of Spanish with the aims of introducing the fields of phonetics and phonology while improving pronunciation. Students will become familiar with phonetic transcription, comparing and contrasting articulatory and acoustic characteristics of Spanish as well as English in order to understand and implement different phonological patterns produced by native speakers of Spanish. Additionally, we will discuss major pronunciation differences across the Spanish-speaking world. (SPAN 0220 or placement) 3 hrs. lect./disc. **LNG** (B. Baird)

## LNGT0322 Introduction to Hispanic Linguistics (Fall 2016)

This course is an introduction to the theory and methodology of linguistics as applied to the study of Spanish. The courseâs goals are to understand the basic characteristics of human language (and of Spanish in particular), and to learn the techniques used to describe and explain linguistic phenomena. We will study the sound system (phonetics/phonology), the structure of words (morphology), the construction of sentences (syntax), as well as the history and sociolinguistic variation of the Spanish language, as spoken in communities in Europe, Latin America, and Northern America. We will examine texts, speech samples, and songs, illustrating these linguistic phenomena. (SPAN 0220 or placement) 3 hrs. lect./disc. **CMP, LNG, SOC** (M. Rohena-Madrazo)

## LNGT0359 Language and Power (Fall 2016)

This course is an introduction to both linguistic anthropology and political anthropology. Communication patterns are always mediated by cultural processes, social inequality, and power, so in this course we will investigate cross-cultural examples of how language, discourse, and representation relate to inequality, power, and resistance. Topics will include sociolinguistics, ethnolinguistics, gendered language practices, political discourse, and theoretical approaches to power (Marx, Foucault, and Bourdieu) (SOAN 0103 or SOAN 0105 or LNGT 0102) 3hrs. lect./disc. **SOC** (M. Nevins)

## LNGT0370 German Linguistics (in German) (Spring 2017)

This course simultaneously presents an overview of the major subfields of linguistics as they apply to the German language and a discussion of how today's Standard German evolved. We will pay attention to important concepts in phonetics/phonology, morphology, syntax, semantics, and pragmatics. In addition to these theoretical and descriptive aspects, we will discuss sociolinguistic issues such as language and gender and regional variations within Germany, Austria, Switzerland, and Luxemburg. Lectures and discussions will be conducted in German. (Formerly GRMN 0340) 3 hrs. sem. **EUR, LNG** (F. Feiereisen)

## LNGT0495 Language and the Environment (Spring 2017)

Do languages simply put different labels on the environment, from rocks to trees to carbon, or are what we see and what we value shaped by the ways that we talk about it? Drawing upon ethnography, linguistics, and critical discourse analysis, we will explore how environmental perceptions and modes of action are formed in and through language. We will bring an appreciation of language differences to the analysis of ongoing environmental controversies, where the various stakeholders draw contrasting boundaries between nature and culture and define human involvement with nature in different ways. (SOAN 0103 and a 0100-level LNGT or ENVS course) 3 hrs. lect./disc. *(Anthropology)/* **CMP, SOC** (M. Nevins)

## LNGT0500 Independent Work (Fall 2016, Spring 2017)

(Approval Required)

## Literary Studies

***Required for the Major:***

The overall design of the program is simple, and its expectations are clearly defined. This is a program of study designed for students who by the time of their graduation from Middlebury wish to secure a comprehensive background in a full range of major achievements of world literature, as well as an ability to read and appreciate works of literature in at least one language other than English. To accomplish those ends, each Literary Studies major is required to take a total of 15 courses in literature over the course of four years. No more than six of these courses may be taken within a single department, and the individual courses may be selected from the literature of any language and of any period. They can be wide-ranging surveys or courses devoted to the study of single authors. The specific selection of courses is entirely up to the student, but in order to fulfill the requirements for the major, he or she will be expected to take: (a) two coursesone historical, one generally theoretical in orientationselected from the list specified below under the "Summary of Major Requirements"; (b) one literature course in a foreign language (including Greek and Latin)normally 0300-level (though FREN 0210 and the FREN 0200-series will usually qualify); and (c) a Colloquium for majors to be taken during the fall semester of the senior year. In addition, in conjunction with an independent reading course taken during the fall semester of the senior year, the student will arrange to take a one-hour oral examination in an area of specialization (as described below) that he or she has defined. This oral examination takes place at the end of the fall semester, and it is followed by a five-hour written comprehensive examination at the end of winter term. The written examination will require the student to demonstrate a knowledge of a range of major works by the authors listed below. For reasons of practicality, the number of authors from this list whose works students will actually have an opportunity to discuss on the comprehensive examination in any given year will be limited to 12. The following current list will give the student a clear sense of the particular range of major authors it is presumed that he or she will be familiar with by senior year:

Homer
Aeschylus
Sophocles
Vergil
Ovid
Lucretius
Dante
Boccaccio
Pirandello
Cervantes
Tirso de Molina
Caldern
Lope de Vega
Borges
Moliere
Baudelaire
Proust
Goethe
Kafka
Mann
Wang Wei
Co Xuegin

Lu-Xn
Gogol
Dostoevsky
Tolstoy
Shakespeare
Milton
Wordsworth
Joyce
Emerson
Melville
Faulkner
Murasaki Shikibu
Chikamatsu Monzaemon
Natsume Soseki

In addition to works by authors whose names appear on this primary list, Literary Studies majors will be urged to deepen their general cultural background by becoming acquainted with the Old and New Testaments (especially Genesis, Psalms, Job, Song of Songs, Matthew, John, Revelation, and the Epistle to the Romans), as well as principal works of Plato, Aristotle, Rousseau, Darwin, Marx, and Freud. A full list of the specific works by these authors included on the current Literary Studies comprehensive reading list is available on the Literary Studies Program website, or from Professor Donadio, the director of the program.

Beyond the two historical and theoretical courses required for the program (both of which are counted toward the major), the 0300-level foreign language literature course, the senior year colloquium (LITS 0705) and independent reading course (LITS 0701), and the total of 15 courses, the general, defining requirement for the Literary Studies major is the winter term comprehensive examination (LITS 0700), the overall range of which is specified in the comprehensive reading list. In the process of working toward this general literary education, the student will also be expected to use the independent reading course (LITS 0701) to focus on a group of works chosen to represent an individual specialization in the literature of a particular culture (e.g., German, English, American, Spanish, Russian, Chinese, etc.), or period (e.g., the eighteenth century, the twentieth century, etc.), or genre (e.g., the novel, the drama, lyric poetry, etc.). The specific authors and the 10 to 12 texts selected by the student for this specialization will be approved by the director in conjunction with two faculty examiners with relevant expertise in the fields represented. This oral examination is the culmination of the independent reading course (LITS 0701) in the fall semester. At the end of the following winter term, there is a five-hour written winter term comprehensive examination based on the reading list. Students qualifying for honors (a B+ average in the major, including the comprehensive examination) will complete a Senior Honors Essay (LITS 0710) in their final semester.

After completing all the specified requirements, the student will be graduated from Middlebury College as a Literary Studies major with a particular area of interest: for example, epic poetry, European drama, Japanese literature, the literature of the nineteenth century, etc. Should the student wish to pursue graduate study, depending on the nature of his or her interests and preparation, the student would be in a good position to do so in such fields as English or American literature, comparative literature, or the literature of a specific foreign language; in addition, he or she would have a secure background for further studies in such fields as law, political philosophy, religion, journalism, publishing, medicine, and cultural and intellectual history. Literary Studies majors have gone on to do work in all these areas.

As indicated above, students will be eligible for departmental honors in Literary Studies if in

their combined performance in literature courses and on the two parts of the comprehensive examination they have achieved an average grade of B+ or higher. Honors will be awarded on the basis of the overall grade average in the major, performance on the comprehensive examination, and a senior honors essay of 30-40 pages to be completed during the spring semester of the senior year (this project counts as one course). A one-hour oral examination on the content and implications of this honors essay is also required, and this examination will be conducted by two faculty members with particular expertise in the fields represented.

***Summary of Major Requirements:***

Total of 15 courses (no more than six in any one department).

**(1)** Two courses selected from the historical and theoretical courses listed below, one from each category, as currently offered. (With the permission of the director, alternative courses may be substituted for those specified here.)

***Historical***:

CLAS 0150 Greek and Roman Epic

CLAS 0152 Greek Tragedy

RELI 0180 Introduction to Biblical Literature

PSCI 0101 Introduction to Political Science

***Theoretical***:

ENAM 0205 Contemporary Literary Theory

CHNS/LITS 0360 Introduction to Literary Theory and Criticism

**(2)** One course in literature in a foreign language (normally 0300 level, but FREN 0201 and FREN 0220 series would usually qualify).

**(3)** At least four literature courses, but no more than six, to be taken within a single department. (Courses in language instruction may not be counted toward this requirement.)

**(4)** Independent Reading Course (LITS 0701) in Area of Specialization (by genre, period, theme, or national literature), an area of particular interest defined by the student in consultation with the director. A one-hour oral examination, to be taken in the fall semester before the winter term written comprehensive examination in the senior year, is devoted to this area of special interest. The 10 to12 texts required for this examination will be chosen by the student in conjunction with the director and two faculty examiners with appropriate backgrounds in the fields represented.

**(5)** Senior Colloquium for majors (LITS 0705, open to non-majors if space is available), focused on a range of works on the comprehensive reading list.

**(6)** Senior Comprehensive Examination (LITS 0700) in preparation for the written comprehensive examination. Students engaged in such preparation arrange to meet with one another over the course of winter term, and often solicit faculty participation in discussions of individual texts they have chosen to work on as a group.

**(7)** Written Comprehensive Examination (LITS 0700) (on works that appear on the Literary Studies comprehensive reading list), taken at the end of winter term of the senior year. As

indicated, this five-hour written examination represents the second part of the comprehensive requirement, the oral specialization examination in LITS 0701 being the first.

**(8)** Students achieving an average grade of B+ or higher in the program will be eligible for honors. Honors will be awarded on the basis of the overall grade average in courses in the major, performance on the comprehensive examination, and a senior honors essay of 30-40 pages, to be completed (for one course credit) during the spring semester of the senior year; a one-hour oral examination on the content of this essay is administered by two faculty examiners with expertise in the field of investigation represented.

***Please Note:*** **Any literature course in the Middlebury College curriculum (and in approved programs abroad or at other U.S. institutions) may be used to fulfill the requirements in the Program in Literary Studies**. Hence, in addition to the specific LITS course descriptions indicated below, students majoring in Literary Studies as well as non-majors with an interest in literature are urged to read through the entire literature offering by various departments (including language departments) to secure a full sense of the range of courses available in any academic year.

## LITS0259 Cultural Crossings: Studies in Literary Influence (Fall 2016)

Centered on a range of provocative narratives conceived at different historical moments and in different cultural situations, this course will explore some of the persistent imaginative preoccupations and far-reaching literary ambitions that serve to link authors working in a wide variety of genres and traditions. Authors to be considered this semester will include Petronius, F. Scott Fitzgerald, Thomas Carlyle, Herman Melville, Gustave Flaubert, Willa Cather, Ivan Turgenev, Vladimir Nabokov, Franz Kafka, and Thomas Pynchon. In addition to reading works by these authors in relation to one another, students will be encouraged to undertake independent comparisons between works on our reading list and works by authors who are not represented. 3 hr. lect. **CMP, EUR, LIT** (S. Donadio)

## LITS0500 Independent Research Project (Fall 2016, Spring 2017)

(Approval Required) (Staff)

## LITS0510 Independent Essay Project (Fall 2016, Spring 2017)

(Approval Required)

## LITS0701 Independent Reading Course (Fall 2016, Spring 2017)

Intended for majors in literary studies preparing for the senior comprehensive examinations. At the conclusion of this course, students will take a one-hour oral examination (part of the senior comprehensive examination) in a specialization of their choice. (Approval Required) (Staff)

# LITS0705 Senior Colloquium in Literary Studies (Fall 2016)

Although it is required of all Literary Studies senior majors, this course is intended for students working in any discipline who seek a close encounter with some of the greatest achievements of the literary imagination. In addition to being understood as distinctive artistic and philosophical accomplishments, the six major works which constitute the reading list will also be seen as engaged in a vital, overarching cultural conversation across temporal and geographical boundaries that might otherwise seem insurmountable. The texts for this semester are: Homer, *The Odyssey*; Tolstoy, *War and Peace*; Dostoevsky, *The Brothers Karamazov*; Mann, *The Magic Mountain*; Proust, *Swannâs Way*; Joyce, *Ulysses*. (Open to non-majors with the approval of the instructor.) 3 hrs., seminar. (S. Donadio)

# LITS0710 Senior Honors Essay (Fall 2016, Spring 2017)

(Approval Required)

## Mathematics

**Required for the Major in Mathematics**:(Eleven courses total, at least six of which must be taken at Middlebury College in Vermont):
I. Core courses: MATH 0122, MATH 0200, MATH 0223, MATH 0302, and MATH 0323 (at least one of the latter two to be completed by the end of the junior year);
II. Electives: five MATH electives at the 0200-level or above;
III. Senior thesis work: A 0700-level MATH seminar in the senior year.

**Note**: Students are strongly encouraged to include a proof-based course such as MATH 0241, or MATH 0247 early in their programs. This is especially helpful prior to taking MATH 0302 or MATH 0323.

**Required for the Mathematical Sciences Option in the Mathematics Major**:(Eleven courses total, at least six of which must be taken at Middlebury College in Vermont)
I. Core courses: MATH 0122, MATH 0200, and MATH 0223, and one of MATH 0302, MATH 0323, at least one of the latter two to be completed by the end of the junior year)

II. Computing-intensive course: CSCI 0150 or MATH 0216 or MATH 0228;
III. Electives.Six courses from categories A and B. At least four of the six courses must have the MATH designation, and at least two must be from category B.Non-MATH courses must all have the same designation (ECON or PHYS or CSCI)
A. Courses in applied specialization: MATH 0225, MATH 0310, MATH 0315, MATH 0318, ECON 0380, PHYS 0212, CSCI 0201, CSCI 0463;
B. Advanced electives: MATH 0302, MATH 0311, MATH 0323, MATH 0325, MATH 0410, CSCI 0302, ECON 0390, ECON 0411, MATH 0500 (with prerequisite: at least one course from categories A or B);
IV. Senior work: A 0700-level MATH seminar in the senior year.

**Note**: Students should consult the mathematics department for examples of course sequences in the mathematical sciences option recommended for emphases in Mathematical Economics, Computer Science, or Physical Sciences/Engineering. For students completing double majors, electives used towards a major in another department cannot also be counted as electives in the

mathematical sciences option.

Students planning a "3-2" engineering program who wish to major in Mathematics will complete the 700-level MATH course in their sixth semester at Middlebury. These students should normally choose the Mathematical Sciences Option in the major.

**Honors Program**:A student who wishes to be considered for departmental honors in mathematics must submit a proposed plan of study during his or her junior year. Candidates for departmental honors should include one additional elective in their programs (12 courses total). For the mathematical sciences option, an honors program must include an elective sequence such as MATH 0310-0410 or MATH 0310-0311. Students should consult their advisors as they develop proposals for honors study.

**Required for the Minor in Mathematics(six courses total at least half of which must be taken at Middlebury College in Vermont)**: MATH 0121, MATH 0122, MATH 0200, and three courses at the 0200-level or above.

**Joint Majors**:The Department of Mathematics does not offer a joint major.

**Advanced Placement**:Advanced placement in the department is offered to first-year students whose secondary training indicates they can commonly bypass one or more of the beginning courses in mathematics. Majors typically begin their study of mathematics in MATH 0122 or MATH 0200. Mathematics majors who need to begin the study of calculus with MATH 0121 may arrange with their advisors to use this course as one of the required electives. Credits forMATH 0121 and 0122 may be earned through the College Board AP exams or international exams such as the A-Levels or IB. At the discretion of the chair, additional courses may be waived in recognition of exceptional secondary school preparation. However, in all cases the major must include at least 7 Middlebury College or approved transfer courses, and the minor must include at least 4. Students who have earned grades on advanced placement calculus exams that are eligible for credit may not register for the equivalent course at Middlebury College. Thus students who have earned 4 or 5 on the Calculus AB exam or a 3 on the Calculus BC exam may not register for MATH 0121, students who have earned 4 or 5 on the Calculus BC exam may not register for MATH 0121 or MATH 0122, and students who have earned 4 or 5 on the Statistics exam may not register for MATH 0116. This policy applies irrespective of whether students choose to use their AP credits toward meeting Middlebury's graduation requirements. The following international credentials carry the same credit as a 4 or 5 on the Calculus BCExam: A-levelexam with a mathematics grade of A, B,or C; or IB Higher Level Mathematics with a grade of 6 or 7.

**Other Credits:**
Because of the wide variation in course offerings at other institutions, students wishing to substitute a course from another college for any course in mathematics must seek approval from the department before registering for the course. In addition, students seeking MATH 0121 credit for a summer course taken elsewhere must pass a written examination given by the department in the fall. Check with the department early in the first week of classes for details.

**Requirements Prior to Fall 2016**
**Required for the Major in Mathematics**: (Ten courses total at least half of which must be taken at Middlebury College in Vermont):
I. Core courses: MATH 0122, MATH 0200, MATH 0223, MATH 0302, and MATH 0323;
II. Electives: four MATH electives at the 0200-level or above;

III. Senior thesis: MATH 0704 in the senior year.

**Note**: Students are strongly encouraged to include a proof-based course such as MATH 0241, or MATH 0247 early in their programs. This is especially helpful prior to taking MATH 0302 or MATH 0323.

**Required for the Mathematical Sciences Option in the Mathematics Major**: (Ten courses total at least half of which must be taken at Middlebury College in Vermont)
I. Core courses: MATH 0122, MATH 0200, and MATH 0223;
II. Electives. Six courses from categories A and B. At least four of the six courses must have the MATH designation, and at least two must be from category B.
A. Courses in applied specialization: MATH 0225, MATH 0310, MATH 0315, MATH 0318, ECON 0380, PHYS 0212, CSCI 0201, CSCI 0463;
B. Advanced electives: MATH 0302, MATH 0311, MATH 0323, MATH 0325, MATH 0410, CSCI 0302, ECON 0390, ECON 0411, MATH 0500 (with prerequisite: at least one course from categories A or B);
III. Senior thesis: MATH 0704 in the senior year.

**Note**: Students should consult the mathematics department for examples of course sequences in the mathematical sciences option recommended for emphases in Mathematical Economics, Computer Science, or Physical Sciences/Engineering. For students completing double majors, electives used towards a major in another department cannot also be counted as electives in the mathematical sciences option.

Students planning a "3-2" engineering program who wish to major in Mathematics will complete the thesis course MATH 0704 in their sixth semester at Middlebury. These students should normally choose the Mathematical Sciences Option in the major.

**Honors Program**: A student who wishes to be considered for departmental honors in mathematics must submit a proposed plan of study during his or her junior year. Candidates for departmental honors should include two additional electives in their programs (12 courses total). For the mathematical sciences option, an honors program must include one of MATH 0302/0323 and an elective sequence such as MATH 0310-0410 or MATH 0310-0311. Students should consult their advisors as they develop proposals for honors study.

**Required for the Minor in Mathematics (six courses total at least half of which must be taken at Middlebury College in Vermont)**: MATH 0121, MATH 0122, MATH 0200, and three courses at the 0200-level or above.

Joint Majors: The Department of Mathematics does not offer a joint major.

**Advanced Placement**: Advanced placement in the department is offered to first-year students whose secondary training indicates they can commonly bypass one or more of the beginning courses in mathematics. Majors typically begin their study of mathematics in MATH 0122 or MATH 0200. Mathematics majors who need to begin the study of calculus with MATH 0121 may arrange with their advisors to use this course as one of the required electives. Credits forMATH 0121 and 0122 may be earned through the College Board AP exams or international exams such as the A-Levels or IB. At the discretion of the chair, additional courses may be waived in recognition of exceptional secondary school preparation. However, in all cases the major must include at least 7 Middlebury College or approved transfer courses, and the minor must include at least 4. Students who have earned grades on advanced placement calculus exams that are

eligible for credit may not register for the equivalent course at Middlebury College. Thus students who have earned 4 or 5 on the Calculus AB exam or a 3 on the Calculus BC exam may not register for MATH 0121, and students who have earned 4 or 5 on the Calculus BC exam may not register for MATH 0121 or MATH 0122. This policy applies irrespective of whether students choose to use their AP credits toward meeting Middlebury's graduation requirements. The following international credentials carry the same credit as a 4 or 5 on the Calculus BCExam: A-levelexam with a mathematics grade of A, B,or C; or IB Higher Level Mathematics with a grade of 6 or 7.

**Other Credits**:
Because of the wide variation in course offerings at other institutions, students wishing to substitute a course from another college for any course in mathematics must seek approval from the department before registering for the course. In addition, students seeking MATH 0121 credit for a summer course taken elsewhere must pass a written examination given by the department in the fall. Check with the department early in the first week of classes for details.

## MATH0116 Introduction to Statistical Science (Fall 2016, Spring 2017)

A practical introduction to statistical methods and the examination of data sets. Computer software will play a central role in analyzing a variety of real data sets from the natural and social sciences. Topics include descriptive statistics, elementary distributions for data, hypothesis tests, confidence intervals, correlation, regression, contingency tables, and analysis of variance. The course has no formal mathematics prerequisite, and is especially suited to students in the physical, social, environmental, and life sciences who seek an applied orientation to data analysis. (Credit is not given for MATH 0116 if the student has taken ECON 0210 or PSYC 0201 previously or concurrently.) 3 hrs. lect./1 hr. computer lab. **DED** (A. Kim)

## MATH0121 Calculus I (Fall 2016, Spring 2017)

Introductory analytic geometry and calculus. Topics include limits, continuity, differential calculus of algebraic and trigonometric functions with applications to curve sketching, optimization problems and related rates, the indefinite and definite integral, area under a curve, and the fundamental theorem of calculus. Inverse functions and the logarithmic and exponential functions are also introduced along with applications to exponential growth and decay. 4 hrs. lect./disc. **DED** (Fall 2016: W. Peterson, J. Clookey; Spring 2017: D. Dorman, M. Olinick)

## MATH0122 Calculus II (Fall 2016, Spring 2017)

A continuation of MATH 0121, may be elected by first-year students who have had an introduction to analytic geometry and calculus in secondary school. Topics include a brief review of natural logarithm and exponential functions, calculus of the elementary transcendental functions, techniques of integration, improper integrals, applications of integrals including problems of finding volumes, infinite series and Taylor's theorem, polar coordinates, ordinary differential equations. (MATH 0121 or by waiver) 4 hrs. lect./disc. **DED** (Fall 2016: P. Bremser, J. McGibbon, J. Schmitt; Spring 2017: P. Bremser, F. Swenton, M. Kubacki)

## MATH0190 Mathematical Proof: Art and Argument

## (Spring 2017)

Mathematical proof is the language of mathematics. As preparation for upper-level coursework, this course will give students an opportunity to build a strong foundation in reading, writing, and analyzing mathematical argument. Course topics will include an introduction to mathematical logic, standard proof structures and methods, set theory, and elementary number theory. Additional topics will preview ideas and methods from more advanced courses. We will also explore important historical examples of proofs, both ancient and modern. The driving force behind this course will be mathematical expression with a primary focus on argumentation and the creative process. (MATH 0122 or MATH 0200) 3 hrs. lect. **CW, DED** (J. Albert)

## MATH0200 Linear Algebra (Fall 2016, Spring 2017)

Matrices and systems of linear equations, the Euclidean space of three dimensions and other real vector spaces, independence and dimensions, scalar products and orthogonality, linear transformations and matrix representations, eigenvalues and similarity, determinants, the inverse of a matrix and Cramer's rule. (MATH 0121 or by waiver) 3 hrs. lect./disc. **DED** (Fall 2016: E. Proctor, F. Swenton; Spring 2017: W. Peterson, J. Schmitt)

## MATH0216 Introduction to Data Science (Fall 2016)

In this course students will gain exposure to the entire data science pipeline: forming a statistical question, collecting and cleaning data sets, performing exploratory data analyses, identifying appropriate statistical techniques, and communicating the results, all the while leaning heavily on open source computational tools, in particular the R statistical software language. We will focus on analyzing real, messy, and large data sets, requiring the use of advanced data manipulation/wrangling and data visualization packages. Students will be required to bring their own laptops as many lectures will involve in-class computational activities. (MATH 0116; or ECON 0210 or PSYC 0201 and experience with R) 3 hrs lect./disc. **CW, DED** (A. Kim)

## MATH0218 Statistical Learning (Spring 2017)

This course is an introduction to modern statistical, machine learning, and computational methods to analyze large and complex data sets that arise in a variety of fields, from biology to economics to astrophysics. The theoretical underpinnings of the most important modeling and predictive methods will be covered, including regression, classification, clustering, resampling, and tree-based methods. Student work will involve implementation of these concepts using open-source computational tools. (MATH 0116 and experience with at least one programming language) 3 hrs. lect./disc. **DED** (A. Kim)

## MATH0223 Multivariable Calculus (Fall 2016, Spring 2017)

The calculus of functions of more than one variable. Introductory vector analysis, analytic geometry of three dimensions, partial differentiation, multiple integration, line integrals, elementary vector field theory, and applications. (MATH 0122 and MATH 0200 or by waiver) 3 hrs. lect./disc. **DED** (Fall 2016: D. Dorman; Spring 2017: E. Proctor)

## MATH0225 Topics in Linear Algebra and Differential Equations (Spring 2017)

Topics may include diagonalization of matrices, quadratic forms, inner product spaces, canonical forms, the spectral theorem, positive matrices, the Cayley-Hamilton theorem, ordinary differential equations of arbitrary order, systems of first-order differential equations, power series, and eigenvalue methods of solution, applications. (MATH 0200 or by waiver) 3 hrs. lect./disc. **DED** (M. Olinick)

## MATH0241 Elementary Number Theory (Fall 2016)

Divisibility and prime factorization. Congruences; the theorems of Lagrange, Fermat, Wilson, and Euler; residue theory; quadratic reciprocity. Diophantine equations. Arithmetic functions and Mobius inversion. Representation as a sum of squares. (MATH 0122 or by waiver) **CW, DED** (P. Bremser)

## MATH0302 Abstract Algebra (Fall 2016, Spring 2017)

Groups, subgroups, Lagrange's theorem, homomorphisms, normal subgroups and quotient groups, rings and ideals, integral domains and fields, the field of quotients of a domain, the ring of polynomials over a domain, Euclidean domains, principal ideal domains, unique factorization, factorization in a polynomial ring. (MATH 0200 or by waiver) 3 hrs. lect./disc. **DED** (Fall 2016: E. Proctor; Spring 2017: D. Dorman)

## MATH0310 Probability (Fall 2016)

An introduction to the concepts of probability and their applications, covering both discrete and continuous random variables. Probability spaces, elementary combinatorial analysis, densities and distributions, conditional probabilities, independence, expectation, variance, weak law of large numbers, central limit theorem, and numerous applications. (concurrent or prior MATH 0223 or by waiver) 3 hrs. lect./disc. **DED** (W. Peterson)

## MATH0315 Mathematical Models in the Social and Life Sciences (Fall 2016)

An introduction to the role of mathematics as a modeling tool and an examination of some mathematical models of proven usefulness in problems arising in the social and life sciences. Topics will be selected from the following: axiom systems as used in model building, optimization techniques, linear and integer programming, theory of games, systems of differential equations, computer simulation, stochastic process. Specific models in political science, ecology, sociology, anthropology, psychology, and economics will be explored. (MATH 0200 or waiver) 3 hrs. lect./disc. **DED** (M. Olinick)

## MATH0323 Real Analysis (Fall 2016)

An axiomatic treatment of the topology of the real line, real analysis, and calculus. Topics include neighborhoods, compactness, limits, continuity, differentiation, Riemann integration, and

uniform convergence. (MATH 0223) 3 hrs. lect./disc. **DED** (J. McGibbon)

## MATH0325 Complex Analysis (Spring 2017)

An introduction to functions of a complex variable. Mappings of the complex plane, analytic functions, Cauchy Integral Theorem and related topics. (MATH 0223 or by waiver) 3 hrs. lect./disc. **DED** (F. Swenton)

## MATH0328 Numerical Linear Algebra (Spring 2017)

Numerical linear algebra is the study of algorithms for solving problems such as finding solutions of linear systems and eigenvalues of matrices. Many real-life applications simplify to these scenarios and often involve millions of variables. We will analyze shortcomings of direct methods such as Gaussian Elimination, which theoretically produces the true solution but fails in practical applications. In contrast, iterative methods are often more practical and precise, and continually evolve with changing technology and our understanding of mathematics. Our study will include the First Order Richardson, Steepest Descent, and Conjugate Gradient algorithms for linear systems, and the power method for eigenvalue problems. (MATH 0200) 3 hrs. lect. **DED** (M. Kubacki)

## MATH0410 Stochastic Processes (Spring 2017)

Stochastic processes are mathematical models for random phenomena evolving in time or space. This course will introduce important examples of such models, including random walk, branching processes, the Poisson process and Brownian motion. The theory of Markov chains in discrete and continuous time will be developed as a unifying theme. Depending on time available and interests of the class, applications will be selected from the following areas: queuing systems, mathematical finance (Black-Scholes options pricing), probabilistic algorithms, and Monte Carlo simulation. (MATH 0310) 3 hrs. lect./disc. **DED** (W. Peterson)

## MATH0500 Advanced Study (Fall 2016, Spring 2017)

Individual study for qualified students in more advanced topics in algebra, number theory, real or complex analysis, topology. Particularly suited for those who enter with advanced standing. (Approval required) 3 hrs. lect./disc.

## MATH0704 Senior Seminar (Fall 2016, Spring 2017)

Each student will explore in depth a topic in pure or applied mathematics, under one-on-one supervision by a faculty advisor. The course culminates with a major written paper and presentation. This experience emphasizes independent study, library research, expository writing, and oral presentation. The goal is to demonstrate the ability to internalize and organize a substantial piece of mathematics. Class meetings include attendance at a series of lectures designed to introduce and integrate ideas of mathematics not covered in the previous three years. Registration is by permission: Each student must have identified a topic, an advisor, and at least one principal reference source. 3 hrs. lect./disc. (Fall 2016: M. Olinick; Spring 2017: P. Bremser)

# MATH0745 The Polynomial Method (Spring 2017)

A tutorial in the Polynomial Method for students who have completed work in Abstract Algebra and at least one of Combinatorics, Graph Theory, and Number Theory. We will study Noga Alonâs Combinatorial Nullstellensatz and related theorems, along with their applications to combinatorics, graph theory, number theory, and incidence geometry. Working independently and in small groups, students will gain experience reading advanced sources and communicating their insights in expository writing and oral presentations. Fulfills the capstone senior work requirement for the mathematics major. (Approval required; MATH 0302 and one of the following: MATH 0241, MATH 0247, or MATH 0345). (J. Schmitt)

## Molecular Biology & Biochemistry

***Required for the Major*:** The requirements for the major in molecular biology and biochemistry provide a multidisciplinary yet integrated approach to examining life at the macromolecular, cellular, and organismal levels. The major is composed of 14 required courses including foundation courses, advanced courses, and two electives. Required foundation courses in mathematics, physics, chemistry, and biology establish a strong, broad understanding of the science necessary for advanced study. Required advanced courses in the core areas of molecular biology, biological chemistry, and bioinformatics build on this foundation. Finally, elective courses offer advanced opportunities to explore a wide variety of specific topics including neurobiology, developmental biology, computational biology, molecular genetics, and biochemical mechanisms. Students are encouraged to engage in mentored independent research in these areas.
***Placement Exams and Transfer Credit:*** Students may be able to bypass introductory courses in biology, chemistry, mathematics, or physics on the basis of AP credit or proficiency exams. Those who bypass CHEM 0103 may begin with CHEM 0104 (fall or spring) or CHEM 0107 (fall only). AP Statistics will not satisfy the statistics requirement (BIOL 0211 or MATH 0116). Those students with AP Statistics credit will be required to enroll in BIOL 0211. Those students interested in the health professions or graduate study may wish to take a full two semesters of calculus and physics in order to meet professional school entrance requirements. Students considering taking summer courses or courses abroad must get approval in advance from the program director. Students should consult with their adviser for assistance with the process of transferring credit from another institution.

**Electives: A list of appropriate electives is provided.**

***Required Background courses*:**
BIOL 0211 Experimental Design and Data Analysis (preferred) or MATH 0116 Introduction to Statistical Science
MATH 0121 Calculus I
PHYS 0109 Newtonian Physics
BIOL 0140 Ecology and Evolution
BIOL 0145 Cell Biology and Genetics
CHEM 0103 or CHEM 0107 General Chemistry I or Adv. General Chemistry
CHEM 0104 or CHEM 0107 General Chemistry II or Adv. General Chemistry
CHEM 0203 Organic Structure and Reactivity

***Required Advanced Courses:***
BIOL 0310 or BIOL 0305 Microbiology or Developmental Biology
BIOL 0314 Molecular Genetics

CHEM 0322 Biochemistry of Macromolecules
MBBC/BIOL 0324 Bioinformatics and Genomics

***Two electives out of the following:***
BIOL 0225 Human Genetics
BIOL 0280 Immunology
BIOL 0305 Developmental Biology*
BIOL 0310 Microbiology*
BIOL 0330 Mechanisms of Microbial Pathogenesis
BIOL 0331 The Genetics of Cancer
BIOL 0365 Molecular Microbial Ecology
BIOL/NSCI 0420 Neurogenetics
BIOL 0450 Topics in Reproductive Medicine
CHEM 0204 Organic Synthesis and Spectroscopy
CHEM 0301 Medicinal Chemistry
CHEM 0355 Thermodynamics and Kinetics
CHEM 0425 Biochemistry of Metabolism
CHEM 0430 Current Topics in Biochemistry
CSCI 0101 The Computing Age OR CSCI 0150 Computing for the Sciences

Note: Independent Study courses (CHEM/BIOL/MBBC 0500/0700/0701) can *not* be used to fulfill elective credit.

* When not taken as a requirement these courses may be used as an elective.

**There is no minor in molecular biology and biochemistry.**
The recommended progression through the required courses of the MBBC major is shown below. While there can be some deviation to this schedule, it is highly recommended that the students complete their introductory chemistry requirements (CHEM0103 and CHEM 0104 or, with advanced placement, CHEM 0107/CHEM 0104) by the end of the first year and their introductory biology requirements (BIOL 0140 and BIOL 0145) by the end of their third semester. The decision to start the introductory biology sequence in the first semester along with introductory chemistry and calculus should be made with consultation with the students FYSE advisor and/or the MBBC Program Director. All mathematics, physics, introductory chemistry and biology, and organic chemistry courses should be completed by the end of the second year. A college writing (CW) course should be completed by the end of the third year. BIOL 0331, BIOL 0310, or BIOL 0305 are appropriate courses which have sections that fulfill the CW requirement.

***First Year Fall***
CHEM 0103 General Chemistry I OR (if satisfied)
CHEM 0104 General Chemistry II OR (if satisfied)
CHEM 0107 Advanced General Chemistry
MATH 0121 Calculus I
BIOL 0140 Ecology and Evolution OR BIOL 0145 Cell Biology and Genetics

***First Year Spring***
CHEM 104 General Chemistry II (if not taken previously)
BIOL 0140 Ecology and Evolution OR BIOL 0145 Cell Biology and Genetics

***Second Year Fall***
CHEM 0203 Organic Structure and Reactivity

PHYS 0109 Newtonian Physics
BIOL 0140 Ecology and Evolution OR BIOL 0145 Cell Biology and Genetics (if not taken previously)

***Second Year Winter Term***
BIOL 0211 Experimental Design and Data Analysis (or MATH 0116 in Spring)

***Second Year Spring***
CHEM 0322 Biochemistry of MacromoleculesMATH 0116 Introduction to Statistical Science (or BIOL 0211 in Winter Term)

***Third Year***
BIOL 0310 Microbiology OR BIOL 0305 Developmental Biology
BIOL 0314 Molecular Genetics
MBBC/BIOL 0324 Bioinformatics and Genomics Electives

***Fourth Year***
Senior Thesis Research and/or Electives

***Molecular Biology & Biochemistry Research*:** Research is an essential component of a well-rounded academic pursuit; it contributes to the development of independence and creativity, as well as to the depth of knowledge needed to become an active contributor to the scientific community. All majors are encouraged to undertake independent research with an MBBC faculty mentor. Any major is eligible to perform an independent study research project (BIOL 0500, CHEM 0500, or BIOL/CHEM/MBBC 0700) with the consent of a mentor.
***Requirements for Honors*:**Senior thesis research may be initiated by any junior with the consent of a mentor. Students considering senior thesis research are urged to begin conversations with faculty early in their junior year (certainly by winter term) because many thesis projects begin during the summer preceding the senior year. Those eligible for high honors or honors in molecular biology and biochemistry will: (1) complete at least two semesters of research, which may include winter term; (2) enroll in MBBC 0701 for their final semester of research; (3) graduate with a minimum GPA of 3.3 for all courses counting towards the major; (4) present a public seminar describing the significance, methodology, results, and conclusions of their research; (5) successfully defend their thesis before a committee of three faculty, two of whom must be affiliated with the MBBC program; and (6) earn a grade of at least B+ for MBBC 0701, as determined by the members of the MBBC program, with the grade based on their research performance, their written thesis, their thesis presentation and their thesis defense.

# MBBC0324 Bioinformatics and Genomics (Spring 2017)

Bioinformatics and genomics are quickly evolving fields that analyze and contextualize genome sequencing data. Genomics is the study, with an emphasis on high-throughput techniques, of the nucleic acid content of organisms. Bioinformatics is the interdisciplinary field that uses the techniques of statistics, computer science, and system organization to interpret this genomic data. In this course students will use national repositories of genomic information, databases, and open-source bioinformatics tools to visualize and manipulate genomic data. We will also explore genomicsâ larger social context, particularly as it relates to medical informatics. (CHEM 0104 or CHEM 0107 and BIOL 0145 or by waiver) 3 hrs. lect. **DED, SCI** (J. Ward)

# MBBC0700 Senior Thesis (Fall 2016, Spring 2017)

Seniors conducting independent study in Molecular Biology and Biochemistry should register for MBBC 0700 unless they are completing a thesis project in which case they should register for MBBC 0701. (Approval required).

# MBBC0701 Senior Thesis (Fall 2016, Spring 2017)

Students conducting independent thesis research in Molecular Biology and Biochemistry must register for MBBC 0701 while completing research projects initiated in BIOL 0500, MBBC 0700, or CHEM 0400. Students will organize and lead regular discussions of their research and research methods, and attend weekly meetings with their designated laboratory group to foster understanding of their special area, and practice the stylistic and technical aspects of scientific writing needed to write their thesis. (CHEM 0400 or BIOL 0500 or MBBC 0700) (Approval required).

## Music

Required for the Major: Majors are required to take MUSC 0209, MUSC 0260-0261, MUSC 0320-0321, MUSC 0334; a performance elective such as MUSC 0240, , 0243, 0244, or 0500; two 0200-level or above elective music courses; and MUSC 0400 senior seminar. MUSC 0704 does not count as a course toward fulfillment of the music major. Piano proficiency: All music majors will be required to demonstrate basic piano proficiency in the semester when the major is declared. Otherwise they should take a semester of piano lessons geared to theory skills, arranged through the music office. All music majors will be required to demonstrate basic sight singing proficiency in the semester when the major is declared
In addition to the curricular requirements, majors are required to participate for three semesters in at least one departmentally-approved ensemble: Middlebury College Orchestra, Middlebury College Choir, Middlebury College Community Chorus, the Sound Investment Jazz Ensemble, African Music and Dance Ensemble and Middlebury Community Wind Ensemble.
Required for the Joint Major: A minimum of eight courses at the 0200 level or above, which must include MUSC 0260-0261, MUSC 0320-0321, MUSC 0334, plus MUSC 0400 (Music Senior Seminar) and/or completion of senior work (MUSC 0704).
In addition to the curricular requirements, joint majors must participate for three semesters in at least one departmentally-approved ensemble.
Required for the Minor: Students who pursue the minor in music are required to complete five music courses, two of which may be general introductory courses (0100 level) and three other courses at the 0200-0400 levels.
Music Theory Placement Exam: It is possible for students to test into Music I (MUSC 0209) and Music Theory II (MUSC 0260) by taking a placement exam rather than taking Theory I (MUSC 0160). Incoming students must take the placement exam only during the scheduled time before classes begin. To arrange a time to take the placement exam, current students must send an email to Music Department Interim Chair Peter Hamlin, phamlin@middlebury.edu. Note deadlines: Placement tests should be arranged by November 1 and April 1 for the following semesters.
Departmental Honors: Departmental honors in music reflect a student's overall achievement in and contribution to the department as well as excellence in an independent senior work project (MUSC 0704). To be eligible for independent senior work, a grade average of at least B+ in all music courses is required. Eligible students may propose a senior work project (MUSC 0704) of one or two semesters in length; proposals must be submitted by April 1 of the junior year. A grade of B+ in senior work and B+ in departmental courses will be eligible for honors; A- in senior work and A- in departmental courses will be eligible for high honors; A in senior work and

A in departmental courses will be eligible for highest honors.
Private Music Lessons: Instruction in musical instruments and voice is available through the department. Online registration takes place the first week of fall and spring terms (winter term lessons registration takes place the last week of classes in the fall term). There are ten 45-minute music lessons per semester (four during winter term). Contracts must be signed at the first lesson and are binding. No rebate is allowed for lessons missed except in the case of injury or continued illness. Lesson fees are applied to the students college account. Members of the Middlebury College Orchestra, Middlebury College Choir, Middlebury College Community Chorus, The Sound Investment Jazz Ensemble, and Middlebury Community Wind Ensemble are entitled to half-price lessons for the instruments they play in the ensemble (or voice for choirs). The fee is waived for students who are music majors, music joint majors, or are enrolled in performance-related courses, MUSC 0240, MUSC 0500 or MUSC 0704 projects. Music majors may receive a maximum of two complimentary series of lessons each semester. Academic credit is not given for applied lessons. Contact the department at extension 5221 for information.
Private instruction: *piano*: D. Fanning, C. Huard, N. Koval Paden, S. Brightman; *harpsichord*: C. Huard; *jazz piano and jazz voice*: R. Forman; *cello*: D. Davydov; *violin and viola*: M. Rowell; *trumpet and double bass*: G. Ingalls; *flute*: A. Janson; *clarinet*: Steven Klimowski; *oboe*: D. Frostman; *trombone*: B. Irwin; *french horn*: M. Fritze; *acoustic and electric guitar*: P. Asbell, D. Huckett; *classical guitar*: E. Despard; *voice*: C. Christensen, S. Peck, B. Thompson, *drums*: R. Lawton; *harmonica*: M. Lavoie; *traditional fiddle, mandolin,* and *banjo*: P. Sutherland; *bagpipes* and *Irish whistle*: T. Cummings; *carillon*: G. Matthew; *organ*: E. Fanning; *saxophone*: M. Donahue; *harp*: D. Dodge.

Ensembles
Middlebury College Orchestra: The orchestra performs approximately four times a year in programs featuring music from all periods. Instrumentalists may arrange for an audition through the music department. See course listing for MUSC 0205. (A. Massey).
Middlebury College Choir: The College Choir performs concerts each fall and spring, participates in Baccalaureate and other College functions, and tours or engages in other projects annually. Audition required, with attention to sight-reading, listening skills and vocal production. Intent to participate full year/multiple semesters strongly encouraged. Open to all students without prerequisite. See course listing of MUSC 0205. (J. Buettner).
College Community Chorus: The Chorus performs concerts each fall and spring, usually including a major choral work for chorus and organ or orchestra. Open to all without audition; rehearsals focus on developing choral musicianship. See course listing of MUSC 0205. (J. Rehbach).
The Sound Investment Jazz Ensemble: Using traditional big-band instrumentation, the Jazz Ensemble plays the best of contemporary jazz arrangements as well as classic charts from the 75 years of swing and jazz band history. The Ensemble also features student compositions and arrangements when available. An active performance schedule is typical. See course listing of MUSC 0205 (D. Forman).
African Music and Dance Ensemble: The African Music and Dance Ensemble is the core of the African Music and Dance Performance course (MUSC0244), for which enrolled students earn one (1) credit. The Ensemble gives students [with or without a musical background] a rich, hands-on experience with numerous East African (Ugandan) music and dance cultures through regular rehearsals and fall/spring end-of-semester concerts. See course listing of MUSC 0244 (D. Kafumbe).
Middlebury Community Wind Ensemble: An off-campus community ensemble that students are invited to join that plays music from all periods; woodwind, brass and percussion; no auditions necessary. There are two performances before fall term ends and two more in April and May. Rehearsals take place at Middlebury Union High School. (M. McHugh).

Other Chamber Ensembles: String quartets, woodwind and brass ensembles can be formed and coached for interested students. Independent projects (MUSC 0500) can be arranged for these groups.

## MUSC0101 Introduction to Western Music (Fall 2016, Spring 2017)

This course is designed to introduce students to the music created by the men and women of Western civilization. The styles and genres of art music from the Middle Ages to the present will be a focus for the course. The relationship of music to society, historical context, and the other arts will also be examined. Music reading skills are not required. 3 hrs. lect./disc. **ART, EUR** (Fall 2016: G. Vitercik; Spring 2017: L. Hamberlin)

## MUSC0130 Topics in Music (Fall 2016)

**Introductory Topics in Music History: Beethoven**
Ludwig van Beethoven (1770â1827) was perhaps the most influential figure in the history of Western music. In this course we will explore Beethovenâs life and work in the context of political, social, and musical currents during and after his lifetime. Through intensive listening, reading, concert attendance, and discussion, we will develop critical listening skills, examine the relationship between an artistâs biography and creative work, and critique how and whether social and political events shape the development of music and vice versa. No previous musical experience is required. (Not open to students who have taken FYSE 1132) **ART** (L. Hamberlin)

## MUSC0160 Music Theory I: Fundamentals (Spring 2017)

This course is an introduction to the basic elements and theoretical concepts of Western music. We will focus on such topics as basic keyboard skills, sight singing, musical notation, rhythm, and harmony and form. Theoretical work and drills will be combined with compositional and performance projects. The goal of the course is to expand studentsâ musical intuition and skill and to provide the technical basis for further music study. No prior musical experience is required. (Students who wish to take upper-level composition or music theory courses must either complete this course or pass a theory and musicianship test administered by the department to demonstrate equivalent experience.) (Formerly MUSC 0109). 2.5 hrs. lect. **ART** (S. Tan)

## MUSC0205 Performance Lab (Fall 2016, Spring 2017)

Credit can be conferred for performance in faculty-supervised ensembles: Middlebury College Orchestra, Middlebury College Choir and the Middlebury College Sound Investment Jazz Ensemble (see "Ensembles" above), one unit of such credit to accrue over two semesters (spring and fall only). The appropriate supervising faculty will give grades, based on attendance and quality of performance. A student should inform the ensemble director of intent to sign up for this course before starting, and should actually register for MUSC 0205 only the SECOND of the two terms by adding it as a fifth course. MUSC 0205 does not fulfill any major course requirements and may not be taken more than once. (Approval required) **ART** (A. Massey, J. Buettner, J. Rehbach, J. Forman)

## MUSC0209 Music I (Fall 2016)

Music I focuses on the materials and grammar of music through compositional exercises. As part of these explorations, we will examine the elements of harmony (scales, triads and seventh chords), notation, rhythm, polyrhythm, binary and ternary forms, two-voice counterpoint, variation, transposition, as well as skills in conducting, analysis, ear-training, and sight-singing. Students will write short pieces for a variety of instruments and ensembles, notate their pieces, and rehearse and perform them, thereby learning about music through discovery and observation. The assignments are designed for students with or without compositional experience. (Ability to play an instrument or sing; MUSC 0160, or passing score on the MUSC 0160 placement exam) 3 hrs. lect./1 hr. lab. **ART** (S. Tan)

## MUSC0210 Music II (Spring 2017)

This course is a continuation of MUSC 0209. While using the same format, including composing and labs, as in MUSC 0209, the course covers elements of modality (western and non-western), functional harmony, heterophony, fugal processes, strophic forms, melodic analysis, serial processes, and extensions of tonality and atonality. (MUSC 0209 or by permission) 3 hrs. lect./1 hr. lab. **ART** (S. Tan)

## MUSC0212 History, Theory, and Practice of Electronic Music (Spring 2017)

This course will provide a historical look at the development of electronic music from the earliest analog techniques to present-day computer technology. Students will learn about the theory of digital and analog sound, acoustics, and MIDI. Creative projects will guide the class through a range of techniques. Much of the focus will be on how the electronic medium enables composers to work with sound and musical forms in non-traditional ways. 2 hrs. lect./1 hr. lab **ART** (P. Hamlin)

## MUSC0232 Music in the United States (Fall 2016)

In this course we will examine folk, classical, and popular music in the United States from the 17th century to the present. We will use historical and analytical approaches to gain insight into the music, the musicians, and the social and cultural forces that have shaped them. Students will explore musicâs relation to historical events, other artistic movements, technological changes, and questions of national identity and ethnicity. Topics will include music in the British colonies, minstrelsy, American opera and orchestras, jazz, popular music, and the experimentalist composers of the 20th and 21st centuries. Music reading skills are useful but not required. 3 hrs. lect./disc. **ART, NOR** (L. Hamberlin)

## MUSC0244 African Music and Dance Performance (Fall 2016, Spring 2017)

This course will introduce students to various techniques of performing East African (primarily Ugandan) musical and dance traditions through regular rehearsals, culminating in an end-of-semester concert. As an ensemble, we will learn and master how to play and sing/dance to bow-harps, thumb-pianos, xylophones, tube-fiddles, bowl-lyres, gourd shakers, struck gourds, reed-

box rattles, ankle bells, leg rattles, and various types of drums. Some background in performing music is recommended, but prior knowledge of performing African music and dance is not required. 3 hrs. lect./lab **AAL, ART** (D. Kafumbe)

## MUSC0260 Music Theory II: Diatonic Theory (Fall 2016)

This course is an in-depth technical study of the materials of music, a study which expands oneâs ability to analyze and create music and to understand different musical styles. We will cover harmonic materials, introduce musical form, and work with traditional compositional skills. These techniques are applied to the analysis of classical music, jazz and popular music. (MUSC 0160 or passing score on the MUSC 0160 placement exam.) 3 hrs. lect./disc. **ART** (P. Hamlin)

## MUSC0261 Music Theory III: Chromatic Theory (Spring 2017)

This course is a continuation of MUSC 0260. Students will study more advanced harmonic devices including modulation and chromaticism, jazz harmony, and post-tonal techniques. In-depth analysis of classical music, jazz, and popular music supports a more advanced study of musical form. (MUSC 0260) 3 hrs. lect./disc. **ART** (P. Hamlin)

## MUSC0309 Advanced Composition (Spring 2017)

In this course we will focus on writing for string quartet, brass quintet, a cappella singing, piano, or performance art and involve issues of technique, style, and practical considerations, as well as study of selected elements of the literature. The course will culminate with a reading of student works by a professional ensemble or solo performer. This semester we focus on composing for the string quartet. We will discuss a variety of string techniques as well as issues of form and orchestration. We will listen to important works for that medium and discuss the styles from the Classical period to this century. Students will compose exercises, leading to a substantial string quartet to be "read" by the Jupiter String Quartet. (MUSC 0209 and 0210 or approval of instructor). 3 hrs. lect./disc. (S. Tan)

## MUSC0320 Music History I: Music to 1750 (Fall 2016)

In this course we will survey Western art music from the earliest notated Medieval music through the Renaissance and Baroque periods. Beginning with Gregorian chant and troubadour song, we will explore Renaissance vocal polyphony, the development of opera and instrumental music in the 17th century, and the late Baroque music of Bach and Handel. Analysis of the music is supplemented by consideration of the ways in which music relates to the other arts and reflects the history and culture of its time. Students will be introduced to musicological research methods and their connection to other ways of thinking about music. Through score study, reading, writing, and discussion, they will confront the challenges surrounding our attempt to understand musicâs historical development and its relation to the other arts and society. (MUSC 0261 or waiver) 3 hrs. lect. **ART, EUR, HIS** (G. Vitercik)

## MUSC0321 Music History II: Music Since 1750 (Spring 2017)

In this course we will survey the principle genres and forms of Western art music from the Viennese classicism of Haydn and Mozart to the present day. The approach of the course is analytical, historical, and cultural. That is, we will study selected works from the Western repertory, attempting to understand each piece on its own terms as artistic expression, in the context of stylistic developments, and as it reflects its time and the concerns of its composer and audience. (MUSC 0261 or waiver) 3 hrs. lect. **ART, EUR, HIS** (L. Hamberlin)

## MUSC0334 Music in World Cultures (Spring 2017)

In this course students will develop skills for analyzing a wide range of music styles and appreciating their social, economic, and political importance. We will explore selected case studies through readings, lectures, discussions, film screenings, listening sessions, workshops, concerts, and hands-on activities. (MUSC 0209 or MUSC 0261) **AAL, ART** (D. Kafumbe)

## MUSC0500 Independent Study (Fall 2016, Spring 2017)

Admission by approval. Please consult published departmental guidelines and paragraph below.

## MUSC0704 Senior Work (Fall 2016, Spring 2017)

Senior work is not required of all music majors and joint majors. However, students interested in and eligible for departmental honors (see guideline above, in "Departmental Honors" section) may propose one or two-semester Senior Work projects. Projects may be in history, composition, theory, ethnomusicology, performance, or electronic music, and should culminate in a written presentation, a public performance, or a combination of the two. MUSC0704 does not count as a course toward fulfillment of the music major.

**Project and budget proposals for Independent Study and Senior Work** should be submitted by the previous April 1 for fall and winter term projects, and the previous October 15 for spring term projects. Budget proposals will not be considered after those dates. Project proposals will be considered after the deadline but are more likely not to be approved due to previous commitments of faculty advisors or other scheduling reasons.

### Neuroscience

Required for the major: The major includes required background and foundations courses, electives, and senior work. Required background courses in biology, psychology, and chemistry, establish a foundation in science necessary for upper-level study. Foundation courses teach students to approach neuroscience from three intellectually different, but related directions. Elective courses offer opportunities to explore a wide variety of neuroscience related areas. Senior work requires all majors to integrate their specific training through research or a senior seminar. Students may be exempt from some introductory courses through placement or bypass exams. For more information on placing out of a specific course, contact the chairperson of the relevant department.

Required Background Courses:
PSYC 0105 Introduction to Psychology
BIOL 0145 Cell Biology and Genetics
CHEM 0103 Fundamentals of Chemistry 1
Either PSYC 0201 Psychological Statistics or BIOL 0211 Experimental Design and Statistical

Analysis

NOTE: PSYC 0105 & BIOL 0145 are pre-requisite to NSCI 0251 and should be taken in the first year.

We strongly recommend CHEM 0103 & either PSYC 0201 or BIOL 0211 be taken by the end of the second year.

Foundations Courses: (all three are required)
NSCI 0251 Fundamentals of Cellular and Molecular Neuroscience(Not open to juniors or seniors)

NSCI 0252 Fundamentals of Behavioral Neuroscience (Currently only open to NSCI Majors with the prerequisite of NSCI 0251)

Fundamentals of Philosophical NeuroscienceStudents must take one of the following:
PHIL 0252 Philosophy of Mind
PHIL 0360 Consciousness
PHIL 0358 Rationality and Cognition

Electives:
Majors must take three electives chosen from within or across the Biological, Psychological, or Philosophical groupings below:

Biological Studies of Neuroscience
BIOL 0216 Animal Behavior
BIOL 0225 Human Genetics
BIOL 0235 Sexual Selection
BIOL 0270 Neural Disorders
BIOL 0305 Developmental Biology
BIOL 0350 Endocrinology
BIOL 0370 Animal Physiology

Psychological Studies of Neuroscience
PSYC 0202 Research Methods
PSYC/NSCI 0302 Conditioning and Learning
PSYC/NSCI 0303 Sensation and Perception
PSYC/NSCI 0305 Cognitive Psychology
PSYC/NSCI 0309 Psychopharmacology
PSYC/NSCI 0311 Neuropsychology
PSYC/GSFS 0330 Psychology of Gender
RELI/PSYC 209 Mindfulness and Psychology
LNGT 0226 Phonetics & Phonology

Philosophical Studies of Neuroscience
PHIL 0214 Science and Society
PHIL 0216 Science and the Quest for Truth
PHIL 0220 Knowledge and Reality
PHIL 0280 Logic & Formal Semantics
PHIL 0310 Moral Psychology
*PHIL 0252 Philosophy of Mind
PHIL 0354 Philosophy of Language
*PHIL 0358 Rationality and Cognition

*PHIL 0360 Consciousness
RELI/PHIL 0320 Yogacara Depth Psychology and Philosophy of Mind

* If not taken already to satisfy the Fundamentals of Philosophical Neuroscience requirement

Senior Work: A senior seminar in a neuroscience area, approved by the program (current courses include BIOL/NSCI 0420, BIOL 0475, BIOL/NSCI 0480; NSCI 0410; PSYC/NSCI 0411; PSYC/NSCI 0414, PSYC/NSCI 0419, PSYC/NSCI 0430; PSYC/NSCI 0434; PSYC/NSCI 0435; PSYC/NSCI 0438, or a NSCI relevant BIOL, PSYC or PHIL 0400-level course approved in advance by the NSCI Program) OR senior research (NSCI 0500, NSCI 0700 and NSCI 0701). During winter term and as course offerings change there may be others that are available for NSCI seminar credit. Seniors can do research with any faculty in the program, or with certain faculty in other departments provided the research project is approved by the neuroscience faculty and the project is related to understanding the nervous system and the mind.
Study Abroad: Study abroad can be a valuable experience that is encouraged, though majors must consult with the Office of Off-Campus Study and their advisor about the advisability of specific programs. Because the requirements for the NSCI major are complex, we recommend that students study abroad for a single term rather than an entire year. It is expected that the required courses listed for the major specifically by number (i.e. PSYC 0105, BIOL 0145, PSYC 0201 or BIOL 0211, NSCI 0251, NSCI 0252, and PHIL 0252, PHIL 0360, or PHIL 0358) would be completed at Middlebury. However, NSCI electives may be taken abroad if they are determined to satisfy program requirements and are approved by the advisor and program director. Students generally receive major credit for a maximum of two courses taken abroad. The NSCI program does not grant major credit for Independent Study projects completed abroad.
Independent Research and Program Honors: Majors are encouraged to undertake independent research (NSCI 0500, NSCI 0700, NSCI 0701) with any faculty member in the program. Students considering any senior research should begin conversations with faculty early in their junior year. Those eligible for high honors in neuroscience must (1) complete at least two semesters of thesis-related research (one term of NSCI 0500 or NSCI 0700 and one term of NSCI 0701); (2) have a minimum GPA of 3.3 in major courses (excluding NSCI 0500/0700/0701); (3) present a public seminar describing the background, methodology, results, and greater significance of their research; (4) submit a written thesis and (5) successfully defend their thesis before a committee comprised of at least three faculty members, two of which must be Neuroscience faculty, plus others as needed, who may recommend High Honors after considering these five components of a thesis.

## NSCI0251 Fundamentals of Cellular and Molecular Neuroscience (Fall 2016, Spring 2017)

Neurons are the building blocks of complex circuits that underlie perception and behavior. In this course we will examine the molecular and cellular basis of neuron structure and function. The topics include the molecular and cellular basis of action potential propagation, the molecular biology of synaptic transmission, the molecular mechanisms of synaptic plasticity, and the molecular mechanisms of sensory transduction. Laboratory exercises will train students in commonly used neurobiology techniques and engage students in novel investigations. Not open to students who have taken PSYC 0301 or BIOL 0370. (BIOL 0145 and PSYC 0105; Open to neuroscience majors, nonmajors by waiver; Not open to juniors or seniors). 3 hrs. lect./3 hrs. lab. **SCI** (Fall 2016: A. Crocker; Spring 2017: G. Ernstrom)

## NSCI0252 Fundamentals of Behavioral Neuroscience (Fall

## 2016, Spring 2017)

Behavioral neuroscience is an interdisciplinary field that combines approaches and knowledge from psychology, biology, and chemistry to further our understanding of human and non-human animal behavior. In this course, you will study the interrelationships among elements of the nervous systems, co-functioning bodily systems, and behavioral output such as emotions, sex, memory, consciousness, sleep, and language. You will be given an opportunity to apply your knowledge from NSCI 0251 of the nervous system at the micro and macro levels and will revisit the basic concepts of behavioral genetics and psychopharmacology. This cumulative knowledge base will serve as your foundation for advanced study of neural systems and their relative roles in progressively more complex behaviors such as basic reflexes, motivation, rational thought, neural disorders, and therapeutic efficacy. (NSCI 0251; open to NSCI majors only, others by approval) 3 hrs. lect./3 hrs. lab. **SCI** (Fall 2016: C. Parker; Spring 2017: A. Crocker)

## NSCI0303 Sensation and Perception (Fall 2016)

Remarkably, using just five basic senses, our brains translate simple external stimuli (e.g. light and sound waves) into unique and vivid perceptual experiences enabling us to interact with our surrounding physical reality. Focusing primarily on the underlying mechanisms of vision and audition, we will explore how our brains construct detailed representations of our world. Throughout these explorations, we will identify perceptual limitations and investigate how mental processes such as attention and emotion affect our perceptions. We will review recent scientific articles and conduct experiments. (PSYC 0105 or any BIOL course; open to psychology and neuroscience majors; others by waiver) 3 hrs. lect./1 hr. disc. **SCI** (M. Dash)

## NSCI0305 Cognitive Psychology (Fall 2016, Spring 2017)

Questions about the nature of the mind, thinking, and knowledge have a long and rich history in the field of psychology. This course will examine the theoretical perspectives and empirically documented phenomena that inform our current understanding of cognition. Lectures, discussions, demonstrations, and experiments will form the basis for our explorations of cognition in this class. Topics to be considered include attention, perception, memory, knowledge, problem solving, and decision making. (PSYC 0105; PSYC 0201 and PSYC 0202 recommended; not open to first-year students; open to psychology and neuroscience majors; others by waiver) 3 hrs. lect./1.5 hrs. lab. **SCI** (J. Arndt)

## NSCI0309 Psychopharmacology (Spring 2017)

This course will examine ways in which drugs act on the brain to influence behavior. Students will learn the basics of brain function, will learn basic properties of drug action, and will learn how legal and illegal drugs, including drugs used to treat psychological disorders, alter the brain function and behavior of humans and experimental animals. (PSYC 0301 or BIOL 0370; not open to first-year students; open to psychology and neuroscience majors; others by waiver) 3 hrs. lect. **SCI** (M. Collaer)

## NSCI0425 Methods in Systems Neuroscience (Fall 2016)

Our brains are series of connected neurons forming circuits. The properties of these neurons and circuits dictate their role in our behavior. This interaction is the foundation of systems

neuroscience. In this course students will deepen their understanding of the fundamental properties of these neural circuits. Students will gain knowledge of the current methods of studying these circuits, including their promise for future research directions as well as their flaws. We will focus on learning the principles of neural circuitry and discussing primary literature. (NSCI 0251 or NSCI 0252; open to junior and senior neuroscience majors; others by waiver). **SCI** (A. Crocker)

## NSCI0430 Research Seminar in Human Memory (Spring 2017)

The goal of this course is for students to form a deep understanding of human memory via student-driven inquiry. Students will research the existing literature about a topic of their choice related to human memory, and will design and execute a novel research study. We will review basic principles of memory at the start of the semester to provide students a strong understanding of basic memory phenomena. Evaluation will be based on interim assignments that contribute to the final research project (project proposal, project design), as well as dissemination of the final research projectâs results (poster presentation, in-class talk, and manuscript write-up). (PSYC 0201 or ECON 0210 or MATH 0116 or BIOL 0211; open to junior and senior psychology and neuroscience majors only) 3 hrs. sem. (J. Arndt)

## NSCI0480 Neurobiology (Spring 2017)

Neuroscience is one of the most rapidly progressing sciences, and recent scientific and clinical studies change how we view the human brain. We will examine the nervous system from the most basic biological levels: genes, molecular signaling, cells, and neural networks. Through primary and secondary literature we will focus primarily upon simple nervous systems and simple circuits. Students will choose selected topics and give in-depth presentations and lead discussions. By this approach we will learn about the methods of the most current research, and how our brain controls our body and behavior (BIOL 0370 or NSCI 0251). 3 hrs. sem. **SCI** (T. Root)

## NSCI0500 Independent Research (Fall 2016, Spring 2017)

Students enrolled in NSCI 0500 complete individual research projects involving laboratory or extensive library study on a topic chosen by the student and approved in advance by a NSCI faculty advisor. This course is not open to seniors; seniors should enroll in NSCI 0700. (Approval required)

## NSCI0700 Senior Research (Fall 2016, Spring 2017)

This course is for senior NSCI majors who plan to conduct one or more semesters of independent research, or who plan to complete preparatory work toward a senior thesis, such as researching and writing a thesis proposal as well as, if appropriate, collecting data that will form the basis for a senior thesis. Senior NSCI majors who plan to complete a senior thesis should register initially for NSCI 0700. Additional requirements may include participation in weekly meetings with advisors and/or lab groups and attending neuroscience seminars. (Approval required, open to seniors only)

# NSCI0701 Senior Thesis (Fall 2016, Spring 2017)

Senior NSCI majors who have completed one or more terms of NSCI 0700, who have a GPA of 3.3 in their major courses, and who plan to complete a senior thesis should register for NSCI 0701 for the final semester of the senior thesis process. Students enrolled in NSCI 0701 write a thesis, give a public presentation of their research, and present an oral defense of the thesis before a committee of at least two Neuroscience faculty members. Faculty may recommend High honors in Neuroscience after considering the quality of these components of a studentâs thesis and the studentâs GPA in major courses. Additional requirements may include participation in weekly meetings with advisors and/or lab groups and attending neuroscience seminars. (NSCI 0700, Approval required)

## Philosophy

### A. Requirements for students who entered the College prior to Fall 2015

**Required for the Major:** Majors must complete no fewer than 10 courses in the department, to include:
1.Logic Requirement: PHIL 0180
2.History Requirement:
a)PHIL 0201 or CLAS/PHIL 0275
b)PHIL 0250
3.Distribution Requirement:
a)one course in Ethics and Social & Political Philosophy (ESP)
b)one course in Epistemology, Language, Metaphysics, Mind and Science (ELMMS)
4.Seminar Requirement: two 0400-level seminars (see below)
5.Electives: three courses

Additionally, it is highly recommended that students take either PHIL 0150 or PHIL 0151, preferably early in the program. PHIL 0180 must be completed by the end of the sophomore year. For students going abroad in their junior year, the history requirement should be completed prior to departure. Cognate courses may be substituted for no more than two departmental electives, but will not satisfy the departmental distribution requirement; such substitutions require the prior approval of a major's departmental adviser, and must be at the 0200-level or above. No more than one term of thesis work may count towards the 10 course requirement.

***Seminar Requirement:*** Majors must take two department seminars (0400-level courses on advanced topics in philosophy). Junior majors should take the seminar currently offered in the spring term; seniors should take the seminar currently offered in the fall term. Students who are abroad during the spring of the junior year must take both seminars in their senior year. This requirement will not be waived for students doing departmental honors. These seminars will not normally satisfy the departmental distribution requirement, but may in exceptional cases by permission of the Chair.

***Departmental Honors:*** Majors with at least a B+ average in philosophy courses may apply to the Chair to become candidates for departmental honors. To apply, a student must find a faculty member willing to supervise the project and then submit a proposal to that faculty member in writing. If (and only if) the proposal is accepted, the student should then register for two successive terms of PHIL 0700 (normally during the winter and spring terms of their senior year). To receive honors, students must complete a two-term project resulting in a thesis or a set

of thematically related papers, give an oral defense (according to departmental regulations), and receive for their work a minimum grade of B+. In addition, they must maintain their B+ average in courses in the department.

**Required for the Joint Major:** For the philosophy component of a joint major, students must (1) take eight philosophy courses, including (a) PHIL 0180, to be taken by the end of the sophomore year; (b) one 0400-level seminar to be taken in the last three semesters; (c) One course from the history requirement; and (d) one course from the distribution requirement (ESP or ELMMS). Either PHIL 0150 or PHIL 0151 is also highly recommended, and, like PHIL 0180, should be taken early in the program whenever possible. In addition, students must (2) give evidence of having used the training in both major fields, usually in an independent project or thesis, but sometimes in a seminar paper. Joint majors are eligible for department honors, if they do a two-term thesis.

**Required for the Minor:** A total of six courses in philosophy, including PHIL 0180 and at least one course at the 0300 or 0400 level. Minors wishing to take a 0400-level seminar must have completed three other philosophy courses first. Enrollment priority in 0400-level seminars will be given to majors. Students electing the philosophy minor should arrange to have anadviser in the philosophy department.

**B. Requirements for students entering the College in Fall 2015 or after**

**Required for the Major:** Majors must complete no fewer than eleven courses in the department, to include:

1. Logic Requirement: PHIL 0180 (to be taken by the end of the sophomore year)
2. History Requirement (to be taken by the end of the junior year):
   a. PHIL 0201 or CLAS/PHIL 0275 and
   b. PHIL 0250
3. Distribution Requirement:
   a. one course in Ethics and Social & Political Philosophy (ESP); and
   b. one course in Epistemology, Language, Metaphysics, Mind and Science (ELMMS).
4. Upper-level Course Requirement: Three courses at the 0300 or 0400 level, at least one of which must be a 0400-level course. (0400-level courses will not normally satisfy the distribution requirement. Courses taken while abroad will not generally be allowed to substitute for the required 0400-level course.)
5. Senior Independent Research Requirement
6. At least two other philosophy courses, in order to fulfill the eleven-course requirement.

Cognate courses may be substituted for no more than two departmental electives, but will not satisfy the departmental distribution requirement; such substitutions require the prior approval of a major's departmental adviser, and must be at the 0200-level or above.

***Senior Independent Research Requirement:*** Majors must complete a one-semester independent research project (PHIL 0710) in the spring of their senior year. Topics and advisers will be decided through consultation with members of the department. PHIL 0710 includes participation in the senior project workshop held for all students completing their independent work.

***Departmental Honors:*** Students will be awarded departmental honors if and only if they receive a) at least an A- average in courses counted toward the major, and b) an A- on their senior project. Students will be awarded high honors if and only if they receive a) at least an A-

average in courses counted toward the major, and b) an A on their senior project.

**Required for the Joint Major:** For the philosophy component of a joint major, students must take nine philosophy courses, including

1. PHIL 0180, to be taken by the end of the sophomore year;
2. One 0400-level seminar to be taken in the last three semesters;
3. Three of the following:

    a. PHIL 0201 or CLAS/PHIL 0275
    b. PHIL 0250
    c. one course in Ethics and Social & Political Philosophy (ESP) and
    d. one course in Epistemology, Language, Metaphysics, Mind and Science (ELMMS)

4. A course in which the student completes a senior independent project that shows evidence of having integrated the training of both major fields. (Normally this course will be PHIL 0710, though other models may be appropriate.) The topicand scope of the independent project is to be determined in consultation with both major advisers.
5. At least three other philosophy courses, in order to fulfill the nine-course requirement.

**Required for the Minor:** A total of six courses in philosophy, including PHIL 0180 and at least one course at the 0300 or 0400 level. Minors wishing to take a 0400-level seminar must have completed three other philosophy courses first. Enrollment priority in 0400-level seminars will be given to majors. Students electing the philosophy minor are encouraged to consult with faculty members in the Philosophy Department about course planning.

## PHIL0150 Introduction to the Philosophical Tradition (Spring 2017)

This course will introduce students to fundamental philosophical issues concerning the nature of reality (metaphysics), the possibility of knowledge (epistemology), and the nature of value (ethical theory) through a reading of a number of important primary texts of thinkers such as Plato, Aristotle, Descartes, Hume, Kant, Kierkegaard, Mill, Nietzsche, and Freud. Cannot be taken by students with credit for PHIL 0151. 3 hrs. lect., 1 hr. disc. **EUR, PHL** (M. Woodruff)

## PHIL0151 Introduction to Philosophy: Mortal Questions (Fall 2016)

This course is an issue-based introduction to core philosophical questions such as the following: What is the nature of reality, and can we ever know it? What is the relation between mind and body, and could computers ever think? What is the nature of the self? Do humans have free will? Is there such a thing as an objective right and wrong? Can we say God exists in the face of all the evil in the world? Readings will be drawn from both traditional philosophers (e.g., Descartes, Hume, Locke, Russell) and contemporary reflections on the issues (e.g., Nagel, Searle, Williams). Cannot be taken by students with credit for PHIL 0150. 3 hrs. lect./1 hr. disc. **EUR, PHL** (J. Spackman)

## PHIL0156 Contemporary Moral Issues (Fall 2016, Spring 2017)

We will examine a selection of pressing moral problems of our day, seeking to understand the substance of the issues and learning how moral arguments work. We will focus on developing our analytical skills, which we can then use to present and criticize arguments on difficult moral issues. Selected topics may include world poverty, animal rights, abortion, euthanasia, human rights, just and unjust wars, capital punishment, and racial and gender issues. You will be encouraged to question your own beliefs on these issues, and in the process to explore the limit and extent to which ethical theory can play a role in everyday ethical decision making. 2 hrs.lect./1 hr. disc. **PHL** (Fall 2016: L. Besser; Spring 2017: S. Viner)

## PHIL0180 Introduction to Modern Logic (Fall 2016)

Logic is concerned with good reasoning; as such, it stands at the core of the liberal arts. In this course we will develop our reasoning skills by identifying and analyzing arguments found in philosophical, legal, and other texts, and also by formulating our own arguments. We will use the formal techniques of modern propositional and predicate logic to codify and test various reasoning strategies and specific arguments. No prior knowledge of logic, formal mathematics, or computer science is presupposed in this course, which does not count towards the PHL distribution requirement but instead towards the deductive reasoning requirement. PHIL 0180 is not open to students who have already taken PHIL 0280/LNGT0280. 3 hrs. lect./1 hr. disc. **DED** (H. Grasswick)

## PHIL0201 Ancient Greek Philosophy (Fall 2016)

This class introduces students to the range and power of Greek thought, which initiated the Western philosophical tradition. We will begin by exploring the origins of philosophy as found in myth (primarily Hesiod) and in the highly original speculation of the Pre-Socratic thinkers (such as Heraclitus and Parmenides). We will then focus on Socrates, Plato, and Aristotle, examining their transformations of these earlier traditions and their own divergent approaches to ethics and education. We will also consider the influences of Greek philosophy on later thought. 3 hrs. lect. **EUR, HIS, PHL** (M. Woodruff)

## PHIL0207 The Philosophy of Human Rights (Fall 2016)

What is a human right? If there are human rights, what moral obligations, if any, follow from them, and who bears those obligations? In this course, we will investigate the philosophical origins and development of the concept of human rights. We will critically analyze both historical and contemporary moral perspectives concerning the existence and nature of human rights. What does it mean to say one possesses a human right? We will also take a close look at the issue of human rights as they relate to world poverty and humanitarian intervention. Authors will include Hobbes, Bentham, Rorty, Nickel, and Pogge. (Not open to students who have taken FYSE 1317). **CW, PHL** (S. Viner)

## PHIL0208 Morality & War (Spring 2017)

Are there any Just Wars? What would make a war a Just War? In the first part of this course we will investigate the historical origins of Just War Theory. In the second part, we will analyze contemporary moral perspectives on whether war can be morally justified and if so, what actions in war are morally justified or prohibited. In the final part, we will read articles concerning war and humanitarian intervention and on what actions, e.g. punishment, are morally permissible or

demanded after war. Authors will include Augustine, Grotius, Nagel, Walzer, Luban. 3 hrs. lect. **PHL** (S. Viner)

## PHIL0209 Philosophy of Law (Fall 2016)

In this course, we shall consider a number of questions concerning law and its institution in human society. What is the origin and authority of law? What is legal obligation? What is the connection between law and coercion, between law and morality, and law and rights? Are laws merely conventions or is there a law of nature? What is the role of law in judicial decisions and the effect of these on the law? We shall also consider and evaluate various theories of law: natural law theories, utilitarian theories, analytical philosophy of law, critical legal studies, feminist theories. 3 hrs. lect. **PHL** (S. Viner)

## PHIL0214 Science and Society (Fall 2016)

Scientific theories are not developed in a vacuum. Social circumstances influence the practice of science, and science, in turn, influences how we organize ourselves as a society. This course will investigate both directions of the relationship between science and society. We will ask such questions as: how do the values of society drive scientific research? What do we mean when we claim that science is 'objective' and what do we expect of an objective science? Can there be 'good' politically-motivated science, or does this conflict with the norms of 'good' science? How important is science as a way of bettering society? Do scientists bear an extra burden of responsibility when they generate scientific results of particular social significance (such as the development of the atomic bomb, or the development of techniques of cloning)? We will examine particular cases of socially significant scientific research, and we will consider larger philosophical questions concerning the status of science, given its interconnections with society. 3 hrs. lect. **PHL, SOC** (H. Grasswick)

## PHIL0221 Between Freedom and Despair: An Introduction to Existentialism (Fall 2016)

We are the creatures for whom our own existence is at issue, the ones who can ask whether to be or not to be; who can choose, but who have to bear the burden of being able to choose, and of not being able not to choose. In this course we will pursue a deeper understanding of the kind of creatures that we are, and of the condition in which we find ourselves, through the rigorous study of existentialism as it is portrayed in the works of Kant, de Beauvoir, Sartre, Cornell West, and the Cohen Brothers. 3 hrs lect. **PHL** (D. Rodriguez-Navas)

## PHIL0237 Chinese Philosophy (Fall 2016)

A survey of the dominant philosophies of China, beginning with the establishment of the earliest intellectual orientations, moving to the emergence of the competing schools of the fifth century B.C., and concluding with the modern adoption and adaptation of Marxist thought. Early native alternatives to Confucian philosophy (such as Mohism, Daoism, and Legalism) and later foreign ones (such as Buddhism and Marxism) will be stressed. We will scrutinize individual thinkers with reference to their philosophical contributions and assess the implications of their ideas with reference to their historical contexts and comparative significance. Pre-1800. 3 hrs. lect./disc. **AAL, HIS, PHL** (D. Wyatt)

## PHIL0250 Early Modern Philosophy (Spring 2017)

This course offers an introduction to some of the most influential European philosophers of the 17th and 18th centuries: Descartes, Spinoza, Locke, Berkeley, Hume, and Kant. We will consider and critically examine the responses these thinkers gave to various questions in metaphysics and epistemology, including the following: What is the relationship between reality and our perception of reality? What is the nature of the mind and how is it related to the body? What is the nature of physical reality? Which of our beliefs, if any, do we have good reason to maintain in the face of radical skepticism? 3 hrs lect. **EUR, PHL** (L. Besser)

## PHIL0252 Philosophy of Mind (Spring 2017)

What is the nature of the mind, and how does it relate to the body and the physical world? Could computers ever think? Do animals have mental and emotional lives? This course will explore several of the major recent philosophical conceptions of the mind. A central focus will be on evaluating various attempts to explain the mind in purely physical terms, including the project of artificial intelligence (AI). Can these theories give us a complete understanding of the mind? Other key questions will include: What is the nature of thought, and how is it capable of representing the world? What is consciousness, and can it be explained physically? 3 hrs. lect./1 hr. disc. **PHL** (J. Spackman)

## PHIL0276 Roman Philosophy (Fall 2016)

In this course we will seek to answer the question of what is Roman philosophy - philosophia togata. Is it simply Greek philosophy in Roman dress? Or, while based in its Greek origins, does it grow to have a distinctive and rigorous character of its own, designed and developed to focus on uniquely "Roman" questions and problems, in particular, ethical, social, and political questions? We will investigate how some of the main schools of Hellenistic Greek thought came to be developed in Latin: Epicureanism (Lucretius), Academic Skepticism (Cicero), and Stoicism (Seneca). As we read we will investigate how each school offers different answers to crucial questions such as what is the goal of life? What is the highest good? Should one take part in politics or not? What is the nature of the soul? What is the nature of Nature itself? Is there an afterlife? Can we ever have a certain answer to any of these questions? 3hrs. lect. **EUR, PHL** (C. Star)

## PHIL0286 Philosophy & Literature (Fall 2016)

In this course we will explore the border both separating and joining philosophy and literature. How does literature evoke philosophical problems, and how do philosophers interpret such works? How does fiction create meaning? Beginning with Greek tragedy, we investigate Platoâs âquarrelâ with, and Aristotleâs defense of, poetry. Then we will turn to modern works, mostly European, on topics such as: tragedy and ethics; style and rhetoric; author and reader; time and temporality; mood and emotion; existence and mortality. Literary readings after Sophocles will be selected from Borges, Calvino, Camus, Kafka, Tolstoy, and Woolf. Philosophical readings after Plato and Aristotle will be selected from Bergson, Danto, Freud, Murdoch, Ricoeur, and Nussbaum. Not open to students who have taken PHIL/CMLT 1014. **EUR, LIT, PHL** (M. Woodruff)

## PHIL0302 Philosophy of Plato (Spring 2017)

In this class, we will explore the significance, influence, and development of Plato's thought, paying special attention to the form of the dramatic dialogue and topics such as Platonic love, rhetoric and politics, learning and recollection, and the theory of forms. We will begin with the early period (dialogues such as the Meno and the Apology) focused on the historical figure of Socrates, continue to the middle period (Symposium, Republic), in which Plato develops his own distinctive views; and conclude with the later period (Philebus, Parmenides) in which Plato suggests a critique of Socrates and his own earlier positions. (Previous course in philosophy or waiver) **EUR, PHL** (M. Woodruff)

## PHIL0305 Confucius and Confucianism (Spring 2017)

Perhaps no individual has left his mark more completely and enduringly upon an entire civilization than Confucius (551-479 B.C.) has upon that of China. Moreover, the influence of Confucius has spread well beyond China to become entrenched in the cultural traditions of neighboring Japan and Korea and elsewhere. This course examines who Confucius was, what he originally intended, and how the more important of his disciples have continued to reinterpret his original vision and direct it toward different ends. Pre-1800. (formerly HIST/PHIL 0273) 3 hrs. lect./disc. **AAL, HIS, PHL** (D. Wyatt)

## PHIL0310 Moral Psychology (Spring 2017)

Moral psychology is the study of human behavior in the context of morality. How do we think about morality? How do we make moral judgments? How do we behave in moral situations? Answering these questions forces us to think deeply about the nature of our actions and the way we do and should evaluate them. In this course we will explore these questions and more. Specific topics covered may include altruism and egoism, moral judgment, moral responsibility, practical deliberation, intentional action, virtue and vice, character, and moral development. Readings will be drawn from both philosophy and psychology. 3 hrs sem **PHL, SOC** (L. Besser)

## PHIL0319 Readings in the Philosophy of History (Fall 2016)

Even before the appearance of Georg W. F. Hegel's classic study The Philosophy of History, a heated debate was being waged concerning the nature and substance of history. Is history, like science, expressible in predictable patterns or subject to irrevocable laws? What factors distinguish true history from the mere random succession of events? What should we assume to be the fundamental nature of historical truth, and are we to determine it objectively or subjectively? Is it possible to be human and yet be somehow "outside of" history? These are among the questions we will examine as we read and deliberate on a variety of philosophies of history, while concentrating on the most influential versions developed by Hegel and Karl Marx. 3 hrs. sem. **EUR, HIS, PHL** (D. Wyatt)

## PHIL0324 Subjugation, Discrimination and Political Transformation (Spring 2017)

Our goal, in this course, is twofold. First, to identify different ways in which members of a community can be subjugated and marginalized. Second, to ask ourselves what kind of ethical and strategic considerations should inform our response to instances of subjugation and

discrimination, if our primary concern is that our actions be at once faithful to the values that we stand for and politically efficacious. We will study works by Simone Weil, Michel Foucault, Martin Luther King Jr., Primo Levi, Simone de Beauvoir, Charles W. Mills, and Epictetus among others. We will also use films and press articles as material for case studies.(Previous Philosophy class or waiver) 3 hrs. sem. **PHL** (D. Rodriguez-Navas)

## PHIL0358 Rationality and Cognition (Fall 2016)

Philosophers (and others) study how we ought to reason. By contrast, psychologists (and others) study how we actually do reason. Often, their findings conflict. How should these conflicts be reconciled? Potential topics include different kinds of reasoning (deductive, probabilistic, explanatory, analogical, practical), naturalized epistemology, theories of justification, and heuristics and biases. (PHIL 0180 or PSYC 0105) 3 hrs. lect. **DED, PHL** (A. Wager)

## PHIL0410 The Good Life (Fall 2016)

What is the good life? In this course we will explore the philosophy of happiness and well-being in an effort to better understand the nature of the good life. Specific topics will include the nature of human flourishing and the role that virtue and interpersonal relationships play in the development of the good life. Readings will be primarily by contemporary authors and will be drawn from both philosophical and psychological perspectives. (Junior or Senior Philosophy Majors, or by waiver) 3 hrs. sem. **PHL** (L. Besser)

## PHIL0435 Concepts: The Stuff of Thought (Spring 2017)

Concepts are often regarded as âthe stuff of thoughtâ: they allow us to categorize the world, learn about it, and navigate through it. But what are they, and how do they relate to reality? In this course we will examine prominent contemporary philosophical theories of concepts, drawing as well on readings from cognitive science and neuroscience. Possible topics include: Is it possible to define concepts? How are they mentally represented? Is reality relative to conceptual schemes? Do concepts give us knowledge of reality or hinder our awareness of it? Is perception nonconceptual? Do animals have concepts? (Junior and senior majors, or by waiver.) 3 hrs. sem. **PHL** (J. Spackman)

## PHIL0500 Research in Philosophy (Fall 2016, Spring 2017)

Supervised independent research in philosophy. (Approval required).

## PHIL0700 Senior Thesis (Fall 2016, Spring 2017)

(Approval Required)

### Physics

Physics is the fundamental science; it leads to our most basic understanding of the natural world and of human technological achievements. The physics program at Middlebury is designed to integrate physics into the liberal arts curriculum, as well as to provide challenging courses and

research opportunities for students majoring in physics. Courses and student research activities in astronomy are also part of the physics program.

Courses designed especially for nonscience students are PHYS 0155 (Introduction to the Universe), PHYS 0101 (Physical Reality and Human Thought), PHYS 0104 (Chaos, Complexity, and Self-Organization), PHYS 0106 (Physics for Educated Citizens), and first-year seminars. Students majoring in the sciences in premedical and other professional programs, and others who desire a more analytical approach to physics, usually select courses from the introductory physics sequence PHYS 0109,PHYS 0110, and PHYS 0111. In addition, they may elect more advanced courses at the 0200-level or above.

For those majoring in physics, we offer a broad range of courses that emphasize a variety of topics in physics while building both theoretical understanding and experimental skills. Middlebury physics majors apply their education in a wide variety of careers. Some pursue graduate work in physics and related fields; others find their physics degrees valuable in engineering, medicine, business, law, teaching, government service, and other pursuits. The physics program is designed to serve the needs of both those intending advanced study in physics and those for whom formal work in physics will end with the Middlebury degree.

The physics department encourages its majors to study abroad to gain experience at international research facilities, learn different national styles of scientific practice, improve language proficiency, and pursue academic interests outside of physics. One upper-level physics course taken abroad may be eligible for physics course credit upon approval of the department chair; students are strongly encouraged to obtain this approval before going abroad.

Physics majors interested in obtaining high school physics teaching certification should notify the education studies program preferably no later than the middle of their sophomore year.

***Required for the Major in Physics:*** The major program consists of eight required physics courses: PHYS 0109, PHYS 0110, PHYS 0111, PHYS 0201, PHYS 0202, PHYS 0212, PHYS 0301, and PHYS 0321; a minimum of three PHYS electives; and a one-term senior project (PHYS 0704). To be eligible for departmental honors, a student must also complete either a semester of senior thesis (PHYS 0705) or one additional elective beyond those required.

Electives must be chosen from physics courses at the 0200, 0300, or 0400 level, except that an upper-level physics course taken off campus or an advanced cognate course from another department at Middlebury may be used to satisfy one of the elective requirements. Acceptable cognate courses are CHEM 0351, CHEM 0355, CSCI 0202, and MATH 0335. For students completing double majors, courses counted towards another major cannot also be counted as electives toward the physics major. Mathematics at least through the level of MATH 0122 is also required; this requirement may be satisfied either at Middlebury or through appropriate pre-college courses in calculus. Independent study courses such as PHYS 0500 may not be used for elective credit. In addition to the courses listed below, PHYS courses that satisfy the elective requirement are occasionally offered during the winter term.

Prospective majors must begin the physics sequence no later than the sophomore year. Starting in the first year allows more flexibility in the choice of courses and senior work. Students planning graduate work in physics or a related subject should elect as many as possible of, PHYS 0302 (Electromagnetic Waves), PHYS 0330 (Analytical Mechanics), PHYS 0350 (Statistical Mechanics), and PHYS 0401 (Quantum Mechanics). In addition, MATH 0200 (Linear Algebra), MATH 0223 (Multivariable Calculus), and MATH 0225 (Topics in Linear Algebra and Differential Equations) are strongly recommended for those anticipating graduate study. Most physics

majors will find computer programming skills through the level of CSCI 0201 extremely valuable.

***Senior Program:*** The senior project (PHYS 0704) involves a significant piece of experimental or theoretical research to be completed in the final year at Middlebury. Topics in recent years have included work in astrophysics, atomic and optical physics, biophysics, condensed matter physics, cosmology, environmental applications, laser spectroscopy, nuclear magnetic resonance, plasma physics, and quantum computing. Outstanding performance in PHYS 0704 may, with the permission of the advisor, allow continuation of the senior project as a senior thesis (PHYS 0705).

***Departmental Honors:*** A minimum grade average of B in physics courses is required of all honors candidates. To be eligible for departmental honors, a student must also complete either a semester of senior thesis (PHYS 0705) or one additional elective beyond those required. Honors in physics are awarded on the basis of excellent senior work combined with depth and excellence of coursework in physics. A student's overall accomplishments in the department, including teaching assistantships and leadership, are also considered in the awarding of honors.

***Beginning in Fall 2014, the Physics Department will no longer offer a minor.***
***Required for the Minor in Physics:*** The minor in physics consists of at least six PHYS courses, at least three of which must be at the 0200 level or above, and at least four of which must be taken at Middlebury College.

***Pre-Engineering:*** Some students study physics with the intent of eventually doing engineering, either through a dual degree or in graduate school. Students who pursue a physics major en route to a 3-2 engineering degree (in which the Middlebury component is completed after the junior year) take the same eight-course sequence outlined above, with one elective chosen from physics courses at the 0200, 0300, or 0400 level; they also must complete a one-unit senior project (PHYS 0704). Four-year pre-engineering students (those who return to Middlebury for the senior year) take the normal physics major and choose electives in consultation with the pre-engineering advisor.

***Advanced Placement:***Advanced Placement: Students who seek advanced placement in physics should take the College Board AP examinations. Credit for PHYS 0109 is given to students who achieve a score of 4 or 5 on the Physics C: Mechanics examination.

## PHYS0106 Physics for Educated Citizens (Spring 2017)

In this course for nonscience majors we will explore topics of current interestâclimate change, energy resources, nuclear processes, radiation, satellite communicationâand show how each is understood within the context of physics. Our resources will be a textbook, Physics and Technology for Future Presidents, and non-technical articles of your choosing. Our goals will be to develop a working knowledge of physics as it applies to important topics, to effectively communicate that knowledge through discussions and oral presentations, and to develop an understanding of how science is grounded in data and thoroughly intertwined with society. (Not open to students who have taken FYSE 1381). 3 hrs. lect./disc. **DED, SCI** (S. Watson)

## PHYS0109 Newtonian Physics (Fall 2016, Spring 2017)

This course examines motion as it occurs throughout the universe. Topics covered include inertia, force, Newton's laws of motion, work and energy, linear momentum, collisions,

gravitation, rotational motion, torque, angular momentum, and oscillatory motion. Emphasis is on practical applications in physics, engineering, the life sciences, and everyday life. Laboratory work and lecture demonstrations illustrate basic physical principles. (MATH 0121 or MATH 0122 concurrent or prior; students who have taken high school calculus or other college calculus courses should consult with the instructor prior to registration) 3 hrs. lect/3 hrs. lab. **DED, SCI** (Fall 2016: S. Watson; Spring 2017: A. Goodsell)

## PHYS0110 Electricity and Magnetism (Fall 2016, Spring 2017)

The physical principles of electricity and magnetism are developed and applied to the electrical structure of matter and the electromagnetic nature of light. Practical topics from electricity and magnetism include voltage, current, resistance, capacitance, inductance, and AC and DC circuits. Laboratory work includes an introduction to electronics and to important instruments such as the oscilloscope. (PHYS 0109; MATH 0122 concurrent or prior) 3 hrs. lect./3 hrs. lab. **DED, SCI** (Fall 2016: S. Ratcliff; Spring 2017: N. Graham)

## PHYS0111 Thermodynamics, Fluids, Wave Motion, and Optics (Spring 2017)

This lecture and laboratory course covers concepts from classical physics that are not included in PHYS 0109 and PHYS 0110, and that serve as a bridge between those two courses. Topics include thermal properties of matter, thermodynamics, fluid mechanics, wave motion, sound, and geometrical and physical optics. This course is strongly recommended for all students otherwise required to take PHYS 0109 and PHYS 0110 as part of a major or a premedical program, and is required for physics majors. (PHYS 0109, MATH 0121, or equivalent) **DED, SCI** (E. Glikman)

## PHYS0155 An Introduction to the Universe (Fall 2016)

Our universe comprises billions of galaxies in a rapidly expanding fabric. How did it begin? Will it expand forever, or how may it end? How do the stars that compose the galaxies evolve from their births in clouds of gas, through the tranquility of middle age, to their often violent deaths? How can scientists even hope to answer such cosmic questions from our vantage point on a small planet, orbiting a very ordinary star? Are there other planets, orbiting other stars, where intelligent beings may be pondering similar issues? This introductory astronomy course, designed for nonscience majors, will explore these and other questions. Students will also become familiar with the night sky, both as part of our natural environment and as a scientific resource, through independent observations and sessions at the College Observatory. The approach requires no college-level mathematics, but students should expect to do quantitative calculations using scientific notation and occasionally to use elementary high-school algebra. (Students may not receive credit for both PHYS 0155 and PHYS 0165.) 3 hrs. lect./ hrs. lab./disc. **DED, SCI** (E. Glikman)

## PHYS0201 Relativity and Quantum Physics (Fall 2016)

This course probes a number of areas for which classical physics has provided no adequate explanations. Topics covered include Einstein's special relativity, quantization of atomic energy

levels and photons, the atomic models of Rutherford and Bohr, and wave-particle duality. (PHYS 0109, PHYS 0110, MATH 0122) 3 hrs. lect. **DED, SCI** (J. Dunham)

## PHYS0202 Quantum Physics and Applications (Spring 2017)

This course introduces quantum theory and statistical mechanics, and explores the Heisenberg uncertainty principle, the SchrÃ¶dinger wave equation, and wave mechanics. These techniques are then applied to atomic, molecular, nuclear, and elementary particle systems. (PHYS 0201; PHYS 0212 concurrent or prior) 3 hrs. lect. **DED, SCI** (J. Dunham)

## PHYS0212 Applied Mathematics for the Physical Sciences (Spring 2017)

This course concentrates on the methods of applied mathematics used for treating the partial differential equations that commonly arise in physics, chemistry, and engineering. Topics include differential vector calculus, Fourier series, and other orthogonal function sets. Emphasis will be given to physical applications of the mathematics. Both analytic and numerical methods are employed. This course is a prerequisite for all 0300- and 0400-level physics courses. (MATH 0122; PHYS 0110 concurrent or prior) 4.5 hrs. lect. **DED** (S. Ratcliff)

## PHYS0221 Electronics for Scientists (Fall 2016)

An introduction to modern electronic circuits and devices, emphasizing both physical operation and practical use. Transistors and integrated circuits are considered in both analog and digital applications. Examples and laboratory experiments stress measurement and control applications in the physical and biological sciences. Students will gain hands-on familiarity with the design, use, and troubleshooting of electronic instrumentation. (PHYS 0110 or by waiver) 3 hrs. lect./3 hrs. lab. **DED, SCI** (R. Wolfson)

## PHYS0241 Biomedical Imaging (Spring 2017)

Why do we use microscopes for thin tissue slices but x-rays for imaging through the entire body? In this course we will explore the physics of light and life through various biomedical imaging techniques. We will apply the fundamental imaging concepts of resolution, aberration, diffraction, scattering, the Fourier transform, and deconvolution. Most of the course will focus on biomedical optics, including standard optical microscopes, fluorescence imaging, spectroscopy, fiber-optic endoscopes, and laser-scanning microscopes. The latter part of the course will cover non-optical imaging, such as ultrasound, x-ray, and magnetic resonance imaging (MRI). Students will gain hands-on experience through field trips to a local hospital and the use of the Cell Imaging Facility in McCardell Bicentennial Hall. (PHYS 0111; PHYS 0212 or MATH 0223) 3 hrs. lect. **DED, SCI** (M. Durst)

## PHYS0301 Intermediate Electromagnetism (Fall 2016)

The unified description of electricity and magnetism is one of the greatest triumphs of physics. This course provides a thorough grounding in the nature of electric and magnetic fields and their interaction with matter. Mathematical techniques appropriate to the solution of problems

in electromagnetism are also introduced. The primary emphasis is on static fields, with the full time-dependent Maxwell equations and electromagnetic waves introduced in the final part of the course. (PHYS 0212) 3 hrs. lect. (S. Ratcliff)

## PHYS0321 Experimental Techniques in Physics (Fall 2016, Spring 2017)

This course will cover the design and execution of experiments, and the analysis and presentation of data, at an advanced level. Laboratory experiments will be chosen to illustrate the use of electronic, mechanical, and optical instruments to investigate fundamental physical phenomena, such as the properties of atoms and nuclei and the nature of radiation. Skills in computer-based data analysis and presentation will be developed and emphasized. This course satisfies the College writing requirement. (PHYS 0201 and PHYS 0202 and PHYS 0212; MATH 0200 recommended) 3 hrs. lect./3 hrs. lab. (Approval required) **CW** (Fall 2016: A. Goodsell; Spring 2017: S. Ratcliff)

## PHYS0370 Cosmology (Spring 2017)

Cosmology is the study of the Universe as a whole entity, including the origin, evolution, and ultimate fate of the entire Universe. In this course we will study the Big Bang, inflation, primordial nucleosynthesis, the cosmic microwave background, the formation of galaxies, and large-scale structure. The course will link observations to theory in order to address some of the current open questions in cosmology such as: what are the forms of matter and energy distributed in the Universe? What is the expansion rate of the Universe and how has it changed with time? What is the age of the Universe? What is the shape of the Universe? (PHYS 0201, PHYS 0202, and PHYS 0212) 3 hrs. lect. **DED, SCI** (E. Glikman)

## PHYS0380 General Relativity (Fall 2016)

Among the forces of nature, gravity is both the most familiar and the least well-understood. A hundred years after it was formulated by Einstein, General Relativity remains our best fundamental theory of gravity. In this course we will see how gravity emerges from the geometry of curved spacetime and how this picture leads to phenomena such as black holes, gravitational waves, and the expansion of the universe. (MATH 0200, PHYS 0201, and PHYS 0212) 3 hrs. lect. **DED, SCI** (N. Graham)

## PHYS0401 Quantum Mechanics (Spring 2017)

A fundamental course in quantum mechanics aimed at understanding the mathematical structure of the theory and its application to physical phenomena at the atomic and nuclear levels. Topics include the basic postulates of quantum mechanics, operator formalism, SchrÃ¶dinger equation, one-dimensional and central potentials, angular momentum and spin, perturbation theory, and systems of identical particles. (PHYS 0202 and PHYS 0212; MATH 0200 recommended) 3 hrs. lect. (N. Graham)

## PHYS0500 Independent Study and Special Topics (Fall 2016, Spring 2017)

(Approval required)

# PHYS0704 Senior Project (Fall 2016, Spring 2017)

Independent research project culminating in both written and oral presentations. (Fall 2016: S. Watson; Spring 2017: A. Goodsell)

# PHYS0705 Senior Research and Thesis (Fall 2016, Spring 2017)

Independent research in the fall, winter, and spring terms culminating in a written thesis (two units total). (Approval required)

## Political Science

**Required for the Major in Political Science**: A major must take ten regular political science courses. One of these ten must be an introductory course in the political theory subfield (PSCI 0101 or PSCI 0107). Two additional courses must be introductory courses in two of the three other subfields: American politics (PSCI 0102 or PSCI 0104); comparative politics (PSCI 0103); and international relations (PSCI 0109). These three required introductory courses should normally be completed before the end of the sophomore year. Among the ten total courses required for the major, the student must also fulfill the field distribution requirement, and complete the 0400-level seminar. At least seven of these ten courses, including the 0400-level seminar, must be taken at Middlebury College in Vermont. Students may count a maximum of one political science winter term course as one of the ten required courses for the major. Winter term courses may be used to fulfill the field distribution requirement.

***The Field Distribution Requirement****:* All regular fall and spring term political science courses are classified in one of the following four fields: Political Theory, American Politics, Comparative Politics, and International Relations and Foreign Policy. Students must take at least two courses in any three of these fields and one course in the fourth field**.**

***Senior Program****:* The senior program consists of a seminar of the major's choice. Each seminar includes advanced work appropriate to the field in which the seminar is offered. The seminars are the 0400-level courses offered by the department. Seminars are open to juniors and seniors. Normally, the senior program requirement must be completed by taking a seminar offered by a member of the Middlebury faculty. Work done in programs abroad, at other North American colleges and universities, or in the Washington Semester program will not count as the equivalent of a Middlebury seminar. IGST seminars co-taught by PSCI faculty cannot substitute for 0400-level PSCI seminars but will count as an elective towards the 10 required courses in PSCI.

***Departmental Honors****:*Students who elect to seek departmental honors write a thesis in the senior year. All students who plan to write a thesis are strongly encouraged to enroll in PSCI 0368 before their senior year (and students writing a political theory thesis are encouraged to take a 0300-level theory course). Honors candidates should initiate the process by contacting their prospective faculty advisor during their junior year (including students who are abroad during their junior year). Candidates must submit an honors thesis proposal to their advisor prior to the term(s) in which the thesis is to be written. If the proposal is approved, the student may register for PSCI 0500 (independent project) in the first term of the thesis, followed by PSCI

0700 for the second and third terms. After an oral examination of the completed thesis, honors are conferred or denied on the basis of (1) the level of the grade achieved on the thesis; and (2) the level of the average grade received in other fall and spring courses taken at Middlebury. Courses taken abroad do not count toward the grade point determination. Honors theses candidates will have a political science course average of at least 3.33 and a thesis grade of B+ or higher to attain honors; a political science course average of at least 3.50 and a thesis grade of A- or higher to attain high honors; and a political science course average of at least 3.67 and a thesis grade of A to attain highest honors. (For a full description of regulations, pick up a copy of Honors Theses Procedures and Regulations in Munroe 213 or check the PSCI web page atwww.middlebury.edu/academics/ps/requirements)/thesesproceduresandschedule.

***Independent Study**:* Students with demonstrated preparation and proficiency in the field may elect independent study projects (PSCI 0500). These projects are prepared under the supervision of a member or members of the department. The PSCI 0500 projects may not be substituted for the seminar requirement. The PSCI 0500 projects are reading and research courses; the department will not award PSCI 0500 credit for political experience such as congressional internships.

***Joint Majors***: Students wishing to do a joint major in political science and another department or program of studies must take eight regular political science courses. One of these eight must be an introductory course in the political theory subfield (PSCI 0101 or PSCI 0107). Two additional courses must be introductory courses in two of the three other subfields: American politics (PSCI 0102 or PSCI 0104); comparative politics (PSCI 0103); and international relations (PSCI 0109). These three required introductory courses should normally be completed before the end of the sophomore year. Among the eight total courses required for the major, the student must also take at least two courses in any two of the four fields of political science and one course in the third and fourth fields and complete a 0400-level seminar. Students must also give evidence of having used the training in both majors, usually in a seminar paper, but sometimes in an independent project or thesis. At least five courses including the 0400-level seminar must be taken at Middlebury College in Vermont. Students may count a maximum of one political science winter term course as one of the eight required courses for the joint major. Winter term courses may be used to fulfill the field distribution requirement. Joint majors do not qualify for honors in political science. (Double majors are eligible.)

***International Politics and Economics Major**:* The IP&E major allows students to combine the study of politics, economics, and languages, linking these disciplines with an appropriate experience abroad. Students wishing to pursue this major should refer to International Politics and Economics in both the General Catalog and the on-line catalog.

***International and Global Studies Major**:* To specialize in political science within the IGS major, students must take: PSCI 0103 or PSCI 0109; one course from PSCI 0101, PSCI 0102, PSCI 0104, PSCI 0107; four other courses from either the comparative politics or international relations and foreign policy categories, including one 0400-level seminar taken at Middlebury College in Vermont. IGS seminars co-taught by PSCI faculty cannot substitute for 0400-level PSCI seminars, but will count towards the six required courses in political science. In addition, it is highly recommended that IGS thesis candidates enroll in PSCI 0368 before their senior year. Note that the graduation requirements differ for IGS majors graduating in 2017 and beyond. For the new requirements, consult the IGS page here: http://www.middlebury.edu/academics/igs/requirements. Students who graduate in 2016 may choose between the existing requirements and the new requirements.

***Minors in Political Science**:* The minor in political science will consist of five regular fall or

spring term courses taken at Middlebury College, which must come from at least two of the four fields in the department. At least one of the courses must be at the 0300-level or above. The five course requirement will not be reduced by AP credits.

***Advanced Placement**:* A score of 4 or 5 on the College Board Advanced Placement Examination in American politics will entitle the student to exemption from PSCI 0104; such a score may satisfy the requirement of one course in the American politics field. A score of 4 to 5 on the College Board Advanced Placement Examination in comparative politics will entitle the student to exemption from PSCI 0103; such a score may satisfy the requirement of one course in the comparative politics field. While supplying two college credits, advanced placement in both American politics and comparative politics will only count as one of the ten courses required for the political science major. Students will also receive only one distribution credit for AP courses, and notwithstanding the distribution credit, all students must take at least one course in each subfield.

## PSCI0101 Introduction to Political Philosophy (Fall 2016)

What is politics? What is the purpose of politics? Is there a best regime? Is it attainable? What is justice? What is the good life? How is each related to political life? Is there a science of politics? In this course, we will raise these and other fundamental questions through a study of major ancient and modern works of political philosophy. Authors may include Plato, Aristotle, Augustine, Machiavelli, Hobbes, Locke, Montesquieu, Rousseau, Constant, Tocqueville, Mill, Marx, and Nietzsche. 4 hrs. lect./disc. (Political Theory) **EUR, PHL, SOC, WTR** (K. Callanan)

## PSCI0103 Introduction to Comparative Politics (Fall 2016, Spring 2017)

This course offers an introduction to the comparative study of political systems and to the logic of comparative inquiry. How are different political systems created and organized? How and why do they change? Why are some democratic and others authoritarian? Why are some rich and others poor? Other topics covered in this course include nationalism and political ideologies, forms of representation, the relationship between state institutions and civil society, and globalization. The goal in this course is to use comparative methods to analyze questions of state institutions -- how they arise, change, and generate different economic, social, and political outcome. 3 hrs. lect./disc. *(Comparative Politics)* **CMP, SOC** (Fall 2016: S. Gumuscu; Spring 2017: E. Bleich, J. Teets)

## PSCI0104 Introduction to American Politics (Fall 2016, Spring 2017)

This course introduces the institutions and practices of American government and politics. The aim is to give students a firm understanding of the workings of and the balance of power among the American Congress, President, bureaucracy, and court system. We begin with the Constitution, which provides the set of founding principles upon which the American government is based. We then look at how American citizens make decisions about politics. Finally, we examine how political institutions, interest groups, parties, elections, and legislative bodies and rules aggregate diverse, often conflicting preferences and how they resolve or exacerbate problems. 3 hrs. lect./disc. *(American Politics)/* **NOR, SOC** (Fall 2016: M. Dickinson; Spring 2017: B. Johnson)

## PSCI0109 International Politics (Fall 2016, Spring 2017)

What causes conflict or cooperation among states? What can states and other international entities do to preserve global peace? These are among the issues addressed by the study of international politics. This course examines the forces that shape relations among states, and between states and international regimes. Key concepts include: the international system, power and the balance of power, international institutions, foreign policy, diplomacy, deterrence, war, and global economic issues. Both the fall and spring sections of this course emphasize rigorous analysis and set theoretical concepts against historical and contemporary case studies. 3 hrs. lect./disc. *(International Relations and Foreign Policy)/* **CMP, SOC** (Fall 2016: M. Williams, A. Yuen; Spring 2017: A. Dean, K. George)

## PSCI0204 Left, Right, and Center (Spring 2017)

In this course, we shall examine liberalism, conservatism, socialism and their competing conceptions of freedom, equality, the individual, and community. We shall consider the origins of these ideologies in early modern political theory and shall afford special attention to the connection between thought and politics. Authors may include John Locke, Adam Smith, Edmund Burke, Alexis de Tocqueville, Karl Marx, Friedrich Nietzsche, John Rawls, Michel Foucault, Michael Oakeshott, and Friedrich Hayek. 3 hrs. lect. (Political Theory) **EUR, PHL, SOC** (K. Callanan)

## PSCI0206 The American Presidency (Spring 2017)

This course examines the development and modern practice of presidential leadership. Focus is on presidential decision-making, changes in the structure of the presidency as an institution, differences among individual presidents, and the interaction of the president with other major actors, including national governing institutions (executive branch, Congress, courts), interest groups, media, and the public. The course includes an historical overview of the evolution of the presidency, and examines changes in the electoral process. (PSCI 0102 or PSCI 0104 or waiver) 3 hrs. lect./disc. *(American Politics)/* **NOR, SOC** (M. Dickinson)

## PSCI0211 Conservation and Environmental Policy (Fall 2016)

This course examines conservation and environmental policy in the United States. In order to better understand the current nature of the conservation and environmental policy process, we will begin by tracing the development of past ideas, institutions, and policies related to this policy arena. We will then focus on contemporary conservation and environmental politics and policy makingâgridlock in Congress, interest group pressure, the role of the courts and the president, and a move away from national policy makingâtoward the states, collaboration, and civil society. 3 hrs. lect./disc. *(American Politics)/* **NOR, SOC** (C. Klyza)

## PSCI0217 Politics of the Middle East and North Africa (Spring 2017)

This course is an introduction to important themes, concepts, and cases in the study of Middle Eastern and North African politics. We will examine key political issues in the region, focusing

primarily on developments since World War II and issues of relevance to the region today. For the purposes of this course, the region is defined as the countries of the Arab world, Israel, Turkey, and Iran. The first half of the course introduces major themes in Middle Eastern politics. These include state development, nationalism, revolution, authoritarian rule, the petro-state, the Arab-Israeli conflict, conflicts in the Persian Gulf, civil conflict, the rise of Islamism, and attempts at liberal reform. The second half of the course examines how these themes have affected political development in a number of key cases. Primary cases include Egypt, Israel, Iran, Morocco, Turkey, Saudi Arabia, and Iraq. Students will have the opportunity to individually assess other countries of personal interest in the region. 3 hrs. lect./disc. *(Comparative Politics)/* **AAL, SOC** (S. Gumuscu)

## PSCI0221 Contemporary Chinese Politics (Fall 2016)

This introductory course provides students with a background in how the party-state political system functions, and then investigates the major political issues in China today. We will focus first on economic reform issues, such as income inequality, the floating population, and changes in the socialist welfare model, and then on political reform issues, such as the liberalization of news media, NGO and civil society activity, protest and social movements, environmental protection, and legal reform. China is a quickly changing country, so students will focus on analyzing current events but also have an opportunity to explore a topic of interest in more detail. 3 hrs. lect./disc. *Comparative Politics* **AAL, SOC** (J. Teets)

## PSCI0226 The European Union (Spring 2017)

The European integration project was launched in the aftermath of World War II as a means of making war between European states impossible. By the 1970s, this romantic aspiration for an ever closer union of Europeans gave way to a project focused on enhancing the global competitiveness of Europe's economies. In this course we will investigate the tension between these two visions of an integrated Europe by focusing on the historical evolution of the European Union and its institutions, practical and conceptual problems encountered in the integration process, and recent challenges posed by sharing a single currency and having open borders. 3 hrs. lect./disc. *(International Relations and Foreign Policy)/* **EUR, SOC** (O. Eglene)

## PSCI0227 Soviet and Russian Politics (Spring 2017)

This course seeks to introduce the student to a major phenomenon of 20th century politics, the rise and decline of the Soviet Union and the emergence of Russia as its successor state. The first part of the course provides an overview of key factors that influenced Russian and Soviet politics under communism, including history, economy, ideology, institutions of the communist party, and the role of political leadership from Lenin to Gorbachev. The second part surveys radical political and social transformations in the 1990s and analyzes Russia's struggle with the twin challenges of democratic and market reform under Yeltsin and Putin. 3 hrs. lect./disc. *(Comparative Politics)/* **EUR, HIS, SOC** (M. Kraus)

## PSCI0228 Central and East European Politics (Fall 2016)

This introductory course surveys the key stages in the political development of East and Central Europe in the 20th century, including the imposition of communist rule, crises of de-Stalinization, the revolutions of 1989, the politics of post-communist transitions, the Balkan

wars, and democratization. It focuses on those factors that either promote or impede the development of stable democratic regimes and assesses East Europe's prospects in the context of EU enlargement and NATO expansion. 3 hrs. lect./disc. *(Comparative Politics)/* **EUR, HIS, SOC** (M. Kraus)

## PSCI0232 The Politics of Diversity in Western Europe (Fall 2016)

Contrary to common perceptions, most West European populations are no longer overwhelmingly white and Christian. The new diversity prompted by post-World War II immigration has generated opportunities and challenges for European societies. In this course, we will examine how ethnic diversity is affecting contemporary West European politics. We will cover the topics of citizenship, immigration, immigrant integration, the rise of far right parties, and state policies toward Europe's new ethnically, racially, and religiously diverse societies. 3 hrs. lect./disc. *(Comparative Politics)/* **EUR, SOC** (E. Bleich)

## PSCI0239 The Future of Great Power Relations (Spring 2017)

Will Americaâs global preeminence endure in the 21st century? Will Russia, Japan, and the European Union decline while other powers grow more influential? In this course we will explore the future global balance of power and prospects for cooperation and conflict among the worldâs great powers. Topics include the rise of Brazil, China, and India; the changing nature of American power; the causality of global power shifts and their implications for cooperation or competition on issues such as energy security, cyber security, nuclear nonproliferation, UN Security Council reform, intervention in the Middle East, and Sino-American relations. (PSCI 0109 or PSCI 0311) 3 hrs. sem. *(International Relations and Foreign Policy)/* **AAL, CMP, SOC** (M. Williams)

## PSCI0240 Race Around the World: The Comparative Politics of Ethnic Diversity (Fall 2016)

This course aims to promote reflection on the interactions between the state and ethnic and racially diverse societies. We will examine the political development of concepts of race and racism and address topics such as slave emancipation, anti-Semitism and the Holocaust, and decolonization, as well as contemporary issues such as affirmative action, hate crimes, and Islamophobia. We will draw on readings and case studies from North America, South America, Europe, Africa and Asia. 3 hrs. lect./disc. *(Comparative Politics)/* **CMP, CW, SOC** (E. Bleich)

## PSCI0242 International Politics and WMD (Spring 2017)

In this course we will examine the international ramifications of nuclear, biological, and chemical weapons use. What is a weapon of mass destruction (WMD)? How have WMD changed the way states behave toward international conflicts and within international crises? How has the development of these weapons influenced the policies states have adopted in response? Beyond these questions, major course themes include the threats of proliferation and the highs and lows of weapons reduction initiatives. 3 hrs. lect./disc. *(International Relations and Foreign Policy)/* **SOC** (A. Yuen)

## PSCI0251 Identity and Conflict in South Asia (Spring 2017)

In this course we will examine political development and conflict in South Asia through the concept of identity. South Asians take on a variety of identities -- ethnic, religious, linguistic, caste, national, etc. These identities often form the basis of political mobilization and both inter- and intrastate conflict. We will study the general concept of identity, including how identities are constructed and used, and then specific manifestations in South Asia. We will also examine the question of whether these identities were constructed during colonial or post-colonial times, or have an earlier basis. *(International Relations and Foreign Policy)/* **AAL, SOC** (J. Lunstead)

## PSCI0258 The Politics of International Humanitarian Action (Spring 2017)

Humanitarian intervention has emerged as a new moral imperative that challenges traditional concepts and practices in international relations. In this course we will consider how a range of actors--international organizations, states, NGOs--understand the concept of humanitarian intervention and engage (or not) in humanitarian actions. We will examine a variety of policy choices, including aid and military intervention, through case studies, including Somalia, Kosovo, and Rwanda. The goal of the course is to enable students to assess critically the benefits and challenges of a humanitarian approach to global politics. 3 hrs. lect./disc. *(International Relations and Foreign Policy)/* **AAL, CMP, SOC** (S. Stroup)

## PSCI0260 The Political Economy of Drug Trafficking (Spring 2017)

This course examines the political economy of drug trafficking in the Western Hemisphere. How have transnational drug markets evolved, and why? What effects has narco-trafficking had on the political, economic, legal, financial, and social systems of producer, consumer, and transshipment countries? What policy responses are available to combat it? How should we weigh alternative policy options? Examination of these issues centers on source countries in Latin America's Andean region, the chief transshipment country (Mexico), and the principal consumer country (the US). Attention also is devoted to the drug trade's effects on American society and criminal justice system. 3 hrs. lect./disc.
*(International Relations and Foreign Policy)/* **AAL, CMP, CW, SOC** (M. Williams)

## PSCI0262 Might and Right Among Nations (Fall 2016)

What role does justice play in international politics? What role should it play? Does it pay to act justly in the conduct of foreign affairs? In this course, we will examine the place of ethical considerations in international politics. Drawing upon major works of political theory, we will pay special attention to the relationship between justice and necessity, the ethics of war and deception, and plans for perpetual peace. Authors will include Thucydides, Cicero, Augustine, Aquinas, Machiavelli, Rousseau, Montesquieu, Kant, Weber, Woodrow Wilson, and Michael Walzer. 3 hrs. lect. (Political Theory) **EUR, PHL** (K. Callanan)

## PSCI0282 Power and Violence in America: An Historical

## Approach to Politics (Spring 2017)

In this course we will explore the complex relationship between industrialization, the labor movement, race relations, and the organization of violence in America. Students will learn about major events in American history, from the founding of the United States through the end of World War II. The topics covered include labor strikes, riots, and ethnic and racial tensions, as well as the related formation of police forces, private security guards, and vigilante groups. In learning about such conflicts, we will examine the indelible mark that these events left on American political development in the twentieth and twenty-first centuries. Throughout the semester, students will encounter fundamental questions concerning the distribution of income and the use of force in American society. This course is being taught simultaneously at Amherst College and will include a virtual classroom component as well as opportunities for inter-collegiate collaboration. 3 hrs. sem. (American Politics) **HIS, NOR, SOC** (A. Dean)

## PSCI0292 Political Communication (Fall 2016)

How are media and communications technology re-shaping politics? From a global comparative perspectiveâranging from the United States to the Middle East and to Asiaâthis course will survey the historical development of communications, the role of media in shaping public opinion and behavior, the impact of new media, and the rise of transnational satellite TV. Conceptually, the course will assess the importance of communications for understanding authoritarianism, democracy, and foreign policy. We will develop general comparative frameworks for understanding the growing importance of communications in the information age, while clarifying the limitations of media for shaping polities. (This course is not open to students who have taken PSCI 0413) 3 hrs. lect. *(Comparative Politics)/* **AAL, CMP, SOC** (O. Lewis)

## PSCI0304 International Political Economy (Spring 2017)

This course examines the politics of global economic relations, focusing principally on the advanced industrial states. How do governments and firms deal with the forces of globalization and interdependence? And what are the causes and consequences of their actions for the international system in turn? The course exposes students to both classic and contemporary thinking on free trade and protectionism, exchange rates and monetary systems, foreign direct investment and capital movements, regional integration, and the role of international institutions like the WTO. Readings will be drawn mainly from political science, as well as law and economics. (PSCI 0109) 3 hrs. lect./disc.
*(International Relations and Foreign Policy)/* **SOC** (S. Stroup)

## PSCI0306 American Constitutional Law: The First Amendment (Spring 2017)

This course focuses on the Supreme Courtâs interpretation of the first amendment freedoms of speech, press, and religion. After starting with the philosophic foundations of these first amendment freedoms (Mill, Locke), students will read the major Supreme Court decisions concerning these rights. Class assignments in the form of oral arguments and briefs and/or options will enable students to take the part of lawyers and judges. (Sophomores, juniors and seniors with PSCI 0102 or 0104 or 0205 or 0206 or 0305 or waiver) 3 hrs. lect./disc. *(American Politics)/* **NOR, PHL** (W. Sessions)

## PSCI0307 The Politics of Virtual Realities (Fall 2016)

How has technology changed our politics? Are those changes all for the good? In this course we will explore the political, legal, and normative implications of the Internet for liberal democracy. We start with the US Constitution and explore arguments that it cannot by itself prevent the Internet from becoming a domain of manipulation rather than of freedom. How can we uphold the ideals of liberty and equality? And, since cyberspace has no country, whose laws should govern it? Cases will include President Obama's campaign and governance strategies, Google's activities abroad, cybersecurity, virtual war, and the WikiLeaks controversy. 3 hrs. lect./disc. *(International Relations and Foreign Policy)/* **CW, SOC** (A. Stanger)

## PSCI0308 U. S. National Elections (Fall 2016)

In this course we will analyze national elections in the United States. Topics covered will include party systems, electoral realignment, voting behavior and turnout, candidate strategy, the nomination process, the legal framework for elections, the Electoral College, gender, race and ethnicity, the media, the Internet, and U.S. elections in comparative perspective. Although the focus will be on the upcoming congressional and presidential contests, earlier elections will be studied for insight into continuity and change in American electoral politics. 3 hrs. lect./disc. (American Politics) **NOR, SOC** (M. Dickinson)

## PSCI0311 American Foreign Policy (Fall 2016)

Does America exercise its power in the world in a distinctive way? If yes, has it always done so? In this course we will examine the evolution of American foreign policy from the time of the founding to the present. As we make our way from the height of the Cold War to the 21st century, we will assess how leaders, institutions, domestic politics, and the actions and inactions of other countries have shaped American international behavior. Topics considered include terrorism, nuclear proliferation, globalization, democracy promotion, whether the rich US has an obligation to help the less fortunate, how much power the Pentagon should have, what role the private sector can and should play in advancing American interests, and the Bush revolution in foreign policy. A central aim of the course is to map competing perspectives so that the student can draw his or her own political conclusions. 3 hrs. lect./disc. *(International Relations and Foreign Policy)/* **NOR, SOC** (A. Stanger)

## PSCI0321 Anglophone vs. Francophone Africa (Spring 2017)

Multiple European powers fought to colonize Africa, but only a few prevailed. In this course we will focus on two major post-colonial blocs: English- and French-speaking Africa. We will examine whether, to what extent, and why the current political systems of Anglophone Africa differ from those of Francophone Africa. To do so, we will explore variations in modes of colonial rule, processes of decolonization, and post-colonial political developments in Algeria, Belgian Congo, Madagascar, Senegal, Cameroon, Kenya, Nigeria, South Africa, and Uganda. 3 hrs. lect./disc. *(Comparative Politics)/* **AAL, CMP** (N. Horning)

## PSCI0322 War and Peace (Spring 2017)

What causes conflicts between states and within countries? What factors facilitate or impede their resolution? In this course we will examine interstate and intrastate conflicts and the challenges faced in resolving them, from both practical and theoretical perspectives. Employing some of the most prominent theories on war, and more recent theories of bargaining, negotiation, and conflict, we will draw upon a range of case studies to illustrate and evaluate the theoretical dynamics of conflict and conflict resolution. (PSCI 0109 or PSCI 0201 or by waiver) 3 hrs. lect./disc. *(International Relations and Foreign Policy)/* **SOC** (A. Yuen)

## PSCI0324 The Political Development of Western Europe (Spring 2017)

In what ways are the political systems and politics of France, Germany, Italy, and Britain similar? In what ways do they differ? How might we explain these patterns? This course attempts to answer these questions through comparative investigation of the processes and consequences of economic and political modernization in these nations from the feudal period to the 21st century. 3 hrs. lect./disc. *(Comparative Politics)/* **CMP, CW, EUR, SOC** (A. Stanger)

## PSCI0330 Comparative Development Strategies (Fall 2016)

In this course we will explore the topic of development by first analyzing different understandings ranging from improvements in human welfare to economic growth, and then asking why some countries have developed more rapidly than others? Additionally, students will explore the role that governments play in development, such as corruption, patronage, and industrial policy. How can governments help or hinder development prospects? We will address these broad questions by comparatively analyzing the development experiences of Asian, Latin American, and African countries. 3 hrs. lect./disc. *(Comparative Politics)/* **CMP, SOC** (J. Teets)

## PSCI0349 International Politics of the Middle East (Spring 2017)

In this course we will study the evolution of the inter-state system in the Middle East. Using contemporary International Relations (IR) theories we will examine the influence of great powers, regional states, transnational movements, and regional organizations on state interests, ideology, religion, and the region's political economy. Questions to be addressed will include: which levels of analyses are most helpful in understanding the complexity of Middle East politics? Which of the IR theories--realist, liberal, or constructivist-- best explain inter-state relations in the region? What other approaches may be useful in this endeavor? 3 hrs. sem. *(International Relations and Foreign Policy)/* **AAL, SOC** (S. Gumuscu)

## PSCI0351 Presidents of the Fifth Republic (Fall 2016)

In this course we will examine presidential power in France's Fifth Republic, introduced in 1958. We will study the seven presidents of the Fifth Republic - Charles de Gaulle, Georges Pompidou, ValÃ©ry Giscard d'Estaing, FranÃ§ois Mitterrand, Jacques Chirac, Nicolas Sarkozy, and the current president FranÃ§ois Hollande - through memoirs, speeches, research monographs, journal articles, and biographies. We will focus on the content of their domestic and foreign policies as well as their leadership strategies and visions for France in a comparative

perspective. (This course will be taught in French; FREN 0230 or by waiver). 3 hrs. lect./disc. and film screenings. *(Comparative Politics)/* **EUR, LNG, SOC** (O. Eglene)

## PSCI0368 Frontiers in Political Science Research (Fall 2016, Spring 2017)

Nothing is more controversial among political scientists than the topic of how to study politics. In this course, we consider a variety of advanced techniques for studying political phenomena, including statistical methods, game theory, institutional analysis, case study techniques, experiments, and agent-based modeling. We will work with concrete examples (drawn from major political science journals) of how scholars have used these techniques, and consider the ongoing philosophical controversies associated with each approach. Students will have the opportunity to conduct original research using a method and subject of their choosing. (Two political science courses) 3 hrs. lect.disc. *(Political Theory)/* **DED, SOC** (Fall 2016: B. Johnson; Spring 2017: M. Dickinson, A. Yuen)

## PSCI0392 Insurgency and Security Policy (Spring 2017)

In the post-Cold War era insurgency is the predominant form of conflict and now tops the list of major security concerns. Understanding the origins and tactics of insurgency in cases around the world in comparative perspective allows students to develop nuanced analyses of how security strategy should be improved to combat emergent non-state threats. How have insurgent tactics evolved in response to changing military, political, technological, and geographical conditions? What are the implications for international intervention and homeland security policy? This course brings Middlebury and Monterey students together in pursuit of this broad policy objective. Note: To align the Middlebury and MIIS schedules, Middlebury students will need to begin their coursework prior to the end of Winter Term, and will need to be available to meet during the courseâs non-standard time. 4 hrs. lect./disc. *(International Relations and Foreign Policy)/* **CMP, SOC** (O. Lewis)

## PSCI0421 American Environmental Politics (Spring 2017)

In this seminar we will examine various aspects of environmental politics in the United States. Topics to be covered include how society seeks to influence environmental policy (through public opinion, voting and interest groups,) and how policy is made through Congress, the executive branch, the courts, collaboration, and through the states. Policy case studies will vary from year to year. Students will write a major research paper on an aspect of U.S. environmental politics. (PSCI/ENVS 0211; open to PSCI/ESEP majors, others by approval) 3 hrs. sem. (American Politics) (C. Klyza)

## PSCI0424 Seminar on Comparative Democratization (Fall 2016)

This seminar explores critical issues concerning transitions from authoritarian to democratic rule. It addresses such questions as: What factors account for the "third wave" of global democratic expansion? How do newly democratic societies confront their authoritarian past? Should the new leaders choose presidential or parliamentary government? What challenges confront states that are undergoing simultaneously processes of democratic change and

economic transformation? What conditions favor consolidation of new democracies? Can democracy's "third wave" be sustained indefinitely, or will a wave of democratic breakdowns follow? To contend with such questions, we will analyze and compare the experience of many countries and regions. (One course in comparative politics) 3 hrs. sem. *(Comparative Politics)/* (M. Kraus)

## PSCI0425 The American Presidency (Spring 2017)

In-depth examination of the exercise of presidential leadership from a normative and empirical perspective. What are the sources of presidential power, the constraints on its use, and the implications for the American political system? The focus is on the leadership strategies of the modern presidents (FDR through Obama). (PSCI 0102 or PSCI 0104 or PSCI 0206 or waiver) 3 hrs. sem. *(American Politics)/* (M. Dickinson)

## PSCI0431 African Government (Fall 2016)

Sub-Saharan Africa has been described as being in a state of permanent crisis, a place where disorder and chaos reign and states are chronically weak. How do political systems form and thrive under such conditions? What accounts for their survival in the face of tremendous political, economic, and environmental challenges? We will investigate the distinctive characteristics of African political systems, the different governance models throughout Sub-Saharan Africa, and the types of public goods or public ills these systems have produced. We will also have the opportunity to more deeply appreciate the real-life consequences for displaced Africans through a service-learning component. 3 hrs. sem. (Comparative Politics) **AAL** (N. Horning)

## PSCI0435 Contemporary Political Theory (Spring 2017)

PSCI 0435 Contemporary Political Theory (Spring 2017)In this seminar, we will study problems and debates in American and European political theory from 1945 to the present. Students will explore a broad range of topics, including the revival of political philosophy, positivism, relativism, rationalism, totalitarianism, contemporary liberal theory, communitarianism, conservatism, multiculturalism, and postmodernism. We will study major works by some of the 20th centuryâs most influential political thinkers. Authors may include Hannah Arendt, Michael Oakeshott, Leo Strauss, Isaiah Berlin, Eric Voegelin, John Rawls, Michael Sandel, Iris Marion Young, Michael Walzer, Will Kymlicka, Richard Rorty, and Michel Foucault. (One course in Political Theory or one course in Philosophy) (Not open to students who have taken PSCI 1035) 3 hrs. sem. *(Political Theory)/* **EUR, PHL, SOC** (K. Callanan)

## PSCI0438 Political Islam (Fall 2016)

In this course we will survey the central questions in studies of political Islam, focusing on the emergence of Islam as a political force in the contemporary period. Discussion will center on the following core topics: (1) the nature of political Islam and Islamic interests; (2) how Islamic political movements develop; (3) why Islamic political movements flourish or fail; (4) how Islamic interests are expressed in the political arena; and (5) what types of political systems are most compatible with politicized Islam? These questions will be addressed by looking at the general history of the contemporary Islamic resurgence and by examining case studies on Egypt, Algeria, Iran, Afghanistan, Turkey, West Africa, and Southeast Asia. 3 hrs. sem. *(Comparative*

*Politics)/* **AAL** (S. Gumuscu)

## PSCI0449 Chinese Foreign Policy (Spring 2017)

China's grand strategy is "peaceful rise," meaning that soft power is used to accomplish policy goals. In this course we will examine China's foreign policy at three levels. At the neighbor-state level, we will focus on territorial conflicts like Taiwan and Tibet, nuclear proliferation in North Korea, and security alliances between Japan and the US. At the regional level, we will analyze economic and environmental issues involving Association of Southeast Asian Nations (ASEAN) states. At the international level, we will focus on oil diplomacy and Chinaâs role in the UN. In addition to international factors, we will examine domestic explanations of policy such as legitimacy, culture, and ideology. 3 hrs. sem. *(International Relations and Foreign Policy)/* **AAL, SOC** (J. Teets)

## PSCI0452 Ecocriticism and Global Environmental Justice (Spring 2017)

Many global environmental problemsâclimate change, biodiversity, deforestation, clean water, and transboundary waste movementâare ineffectively managed. In this course we will take a critical look at these failures and ask: do existing norms and attitudes make effective, sustainable environmental management more difficult? In doing so, we will examine institutions and phenomena such as the sovereign nation-state, free market capitalism, and the authority of scientific knowledge. We will ask whether sustainable management is compatible with these institutions and phenomena, or whether they contribute to environmental injustice, racism, political marginalization, and gender and class inequity by studying contemporary and historic examples. 3 hrs. sem. *(International Relations and Foreign Policy)/* (K. George)

## PSCI0454 Leadership: Politics and Personality (Spring 2017)

What difference do leaders make? Are leaders born or made? What accounts for effective leadership? Do answers to these questions change when the social, cultural, and political context varies? This course will approach the subject of leadership from a multidisciplinary perspective, focusing on (1) the individual personalities and values of leaders; (2) the relationship of leaders to the institutions they serve; (3) the role of the state and cultural context in which the leadership is exercised; and (4) the process of leading. (One course in comparative politics) 3 hrs. sem. *(Comparative Politics)/* (M. Kraus)

## PSCI0458 The U.S. Politics of Race, Gender, and Class (Spring 2017)

Race, gender, and class have long shaped American politics. They have formed the basis for social movements, have structured institutions, and have affected the way political actorsâfrom voters to activists to elected officialsâhave made their day-to-day decisions. What do political scientists know about the roles that race, gender, and class play in politics, separately and together, and what do we yet have to learn? (PSCI 0102 or PSCI 0104) 3 hrs. sem. *(American Politics)/* **NOR, SOC** (B. Johnson)

## PSCI0470 Race and Ethnic Politics (Spring 2017)

This seminar is designed to build upon students' own interests, as each participant will write a 30-35 page research paper on a topic in race and ethnic politics that they have selected, drawing on any time period, country, or region of the world. We will discuss how to craft a research paper and will collectively workshop student papers-in-progress. This course will be of particular interest to seniors wishing to engage in a capstone project, or to juniors exploring a potential senior thesis topic. 3 hrs. sem. *(Comparative Politics)/* **SOC** (E. Bleich)

## PSCI0483 The Rise of Asia and US Policy (Fall 2016)

In this course we will study what is arguably the most important strategic development of the 21st century: how the rise of Asia presents security challenges to the region and the United States. Drawing from international relations scholarship, the course will focus on foreign policy challenges and potential responses. These challenges include both traditional security and nontraditional areas such as water and the environment. We will integrate the analysis of these issues in South, East, and Southeast Asia with study of the policy process, in part through simulations and role-playing exercises. This course is equivalent to IGST 0483. 3 hrs. sem. *(Comparative Politics)/* **AAL, CMP, SOC** (O. Lewis, J. Lunstead)

## PSCI0484 Political Econ of Regionalism (Fall 2016)

**The Political Economy of Regionalism ***
**In this course we will address the political economy of regionalism in a variety of national and regional contexts. We will consider both integration projectsâsuch as the European Union and South Americaâs Mercosurâas well as subnational local autonomy movements, such as those in Catalonia and Scotland. We will study theories of integration as well as case studies from Europe, Latin America, Asia, and Africa, focusing on the political and economic forces driving both integration and disintegration in their historical and contemporary contexts. We will also consider how globalization affects regional integration projects. /(Comparative Politics)/ 3 hrs. sem. AAL, CMP, SOC** (J. Cason)

## PSCI0500 Independent Projects (Fall 2016, Spring 2017)

A program of independent work designed to meet the individual needs of advanced students. (Approval required)

## PSCI0700 Honors Thesis (Fall 2016, Spring 2017)

(Approval required)

### Psychology

The Department of Psychology at Middlebury College has a strong commitment to the scientific study of human mental processes, emotions, and behavior. In keeping with this philosophy, the department offers a broad range of courses that provides students with the opportunity to learn about basic research and its applications in a variety of areas, including social, cognitive, behavioral, cultural, clinical, environmental, biological, and developmental psychology.

**Requirements for the Major in Psychology**: The psychology major consists of a minimum of 11 courses in five categories: (I) Foundation courses, (II) Area core courses, (III) Electives, (IV) Labs, and (V) Advanced seminars and senior work.

I. **Foundation courses**: The foundation courses provide students an overview of the field and the background and skills necessary to understand psychology as an empirical science. The required foundation courses are Introduction to Psychology (PSYC 0105) and the Statistics/Research Methods sequence (PSYC 0201 and PSYC 0202). Most students complete the Statistics/Research Methods sequence by the end of their sophomore year, but no later than the end of their junior year.

II. **Area core courses**: Area core courses ensure that students have a broad understanding of various subfields within the discipline. Students are strongly encouraged to complete area core courses no later than the end of junior year. All students must take three area core courses, at least one in each of the two main areas of the curriculum.

**Area 1 Biopsychology, Cognitive, and Physiological Psychology**: PSYC 0301, PSYC 0302, PSYC 0303, and PSYC 0305.
**Area 2 Clinical, Developmental, Personality, and Social Psychology**: PSYC 0203 (or PSYC 0230), PSYC 0204, PSYC 0216 (or PSYC 0225), and PSYC 0224.

III. **Electives**: In addition, students choose three elective courses from the psychology curriculum, including winter term. PSYC 0350, PSYC 0500, or PSYC 0700 can be used as one of the elective requirements. (PSYC 0701, 0702, and 0703 do not satisfy the elective requirement.)

IV. **Labs**: All students must take at least one course with a lab section in addition to Psychological Statistics and Research Methods in Psychology. This lab course also may fulfill another course requirement simultaneously (e.g., an area core or elective course). Lab courses are designated as such in the course descriptions. For 2016-17, these are PSYC 0301, 0305, and PSYC 0320.

V. **Advanced seminars and senior work**: Advanced seminars and senior work in psychology emphasize the synthesis and integration of theory and research. Each student must take two seminars (0400-level courses) in psychology; these may be taken during junior and senior years. Students who meet the department requirements also may apply to the department to complete a senior honors thesis in psychology, which requires students to apply their skills and knowledge to the completion of a year-long empirical research project. Students who complete an honors thesis in psychology can count PSYC 0703 for one of their two advanced seminar requirements. (See description below.)

**Departmental Honors in Psychology**: Students who seek to graduate with departmental honors should consult with a faculty member no later than their junior year to actively begin planning their research. Students intending to complete honors work are expected to submit a Thesis Intent Form by the stated deadline (early to mid-March) of their junior year. The psychology thesis requires three semesters (including Winter Term) of independent research. During the fall term of their senior year, candidates will enroll in PSYC 0701. During the winter and spring terms, after meeting the special requirements listed in the course description and being accepted into honors candidacy, they will enroll in PSYC 0702 and PSYC 0703, respectively. A minimum GPA of 3.5 in psychology department courses is required for admission to honors candidacy. Students who complete an honors thesis in psychology can count PSYC 0703 for one of their two advanced seminar requirements.

VI. **Independent Research in Psychology or Optional Independent Work**: Students may take Directed Research (PSYC 0350), Advanced Research (PSYC 0500), or Senior Research (PSYC 0700) under the supervision of a faculty member. Students need permission from a faculty member prior to enrollment in these courses. Students cannot take more than one independent research course in psychology per semester. PSYC 0350, PSYC 0500, or PSYC 0700 can be used to fulfill one elective requirement.

**Requirements for the Minor in Psychology**: Five psychology courses, including the following: (1) PSYC 0105; (2) two core courses from among PSYC 0201, PSYC 0202, PSYC 0203 (or PSYC 0230), PSYC 0204, PSYC 0216 (or PSYC 0225), PSYC 0224, PSYC 0301, PSYC 0302, PSYC 0303, PSYC 0305, (3) two electives (any fall, spring, or winter term PSYC courses; one of which can be PSYC 0350, PSYC 0500, or PSYC 0700). Students may transfer no more than two psychology courses towards the minor while enrolled as a full time student at Middlebury.

**Advanced Placement**: Students can bypass PSYC 0105 and move directly to a higher-level course if they earned a Psychology AP Examination score of 4 or 5; or earned a score of 6 or 7 on the IB (International Baccalaureate) Higher Level psychology exam; or achieved a passing grade on the PSYC Department Placement Exam. Students with lower AP/IB scores, or who took the IB standard Level psychology exam, or who have done previous psychology course work may choose to take the placement exam. A passing score on the placement exam means that students may enroll in courses that list PSYC 0105 as a pre-requisite, but it does not provide course credit toward graduation or other College requirements. Credit for PSYC 0105 is given to students who achieve a score of 4 or 5 on the Psychology AP Examination. . Beginning with students matriculating in the Fall of 2016, the department will not grant credit for the Statistics AP Examination, towards the major, the minor, or as an equivalent for PSYC 0201 (Psychological Statistics).

**Major in Neuroscience**: See Neuroscience Program listing for a description of this major.

**Major in Environmental Studies with a focus in Psychology**: See the Environmental Studies Program listing for a description of this major.

**Joint Major in Psychology and Sociology**: The Departments of Psychology and Sociology/Anthropology no longer offer a Joint Major in Psychology and Sociology (as of 2011-12).

**Education Studies Minor with a Psychology Major**: Up to two of the Psychology courses required for the Education Studies minors may also be counted towards the Psychology major.

**Restrictions Concerning the Transfer of Courses in Fulfillment of the Psychology Major and Minor**: Students may transfer no more than two psychology courses while enrolled as a full time student at Middlebury. Students wishing to obtain approval to transfer more than two courses must petition the department in advance.

# PSYC0105 Introduction to Psychology (Fall 2016, Spring 2017)

This course will provide a general introduction to the field of psychology. The most central and important theories, concepts, findings, controversies, and applications in the following areas will

be considered: biological bases of behavior, learning, perception, thinking, development, personality, psychological disorders, and social behavior. (Open to Juniors and Seniors by waiver only) 3 hrs lect./1 hr. disc. **SOC** (Fall 2016: K. Cronise, M. Kimble, M. Seehuus, A. DiBianca Fasoli; Spring 2017: K. Cronise, A. DiBianca Fasoli, M. Huneke, C. Parker)

# PSYC0201 Psychological Statistics (Fall 2016, Spring 2017)

This course will examine statistical methods used in the behavioral and biological sciences. Students will learn the logic underlying statistical analysis, focusing primarily on inferential techniques. They also will become familiar with the application and interpretation of statistics in psychological empirical research, including the use of computer software for conducting and interpreting statistical analyses. (PSYC 0105; Fall: open to psychology and neuroscience majors and undeclared majors, others by waiver; Spring: open to psychology and neuroscience majors; others by waiver. Not open to students who have taken MATH 0116 or ECON 0210) 3 hrs. lect./1.5 hr. lab **DED** (Fall 2016: M. Collaer, M. Dash; Spring 2017: M. Collaer, C. Parker)

# PSYC0202 Research Methods in Psychology (Fall 2016, Spring 2017)

## Fall 2016

**Research Methods in Psychology**
This course will provide students with an understanding of the research methodology used by psychologists. Students will learn to read psychological studies and other related research as informed consumers. Students will collect, analyze, and interpret data during lab assignments. They will also design an empirical study, review the related literature, and write a formal APA-style research proposal. (PSYC 0105 and PSYC 0201 or MATH 0116 or ECON 0210; not open to first-year students; open to psychology and neuroscience majors; others by waiver) 3 hrs. lect./1.5 hr. lab **CW, DED** (B. Hofer, A. DiBianca Fasoli)

## Spring 2017

**Research Methods in Psychology**
This course will provide students with an understanding of the research methodology used by psychologists. Students will learn to read psychological studies and other related research as informed consumers. Students will collect, analyze, and interpret data during lab assignments. They will also design an empirical study, review the related literature, and write a formal APA-style research proposal. (PSYC 0105 and PSYC 0201 or MATH 0116 or ECON 0210; not open to first-year students; open to psychology and neuroscience majors) 3 hrs. lect./1.5 hr. lab **CW, DED** (M. Huneke, M. McCauley)

# PSYC0203 Social Psychology (Fall 2016)

Social psychology is the study of how social situations affect the thoughts, feelings, and behaviors of individuals. This course will provide an overview of social psychological theory and research findings, as well as reviewing the ways in which these findings are applied to the study of issues such as aggression, close relationships, prejudice, and altruism. Students will also learn about the research methods that social psychologists use to test their theories. (PSYC

0105; open to seniors by waiver only) 3 hrs. lect. **SOC** (C. Velez-Blasini)

## PSYC0204 Personality Psychology (Fall 2016)

This course provides an overview of personality psychology. Several central theories of personality, including psychoanalytic, humanistic, cognitive, trait, behavioristic, and social learning, will be discussed. The course will also emphasize the connection between personality theory and personality research. (PSYC 0105, open to seniors by waiver only) 3 hrs. lect. **SOC** (C. Velez-Blasini)

## PSYC0209 Religion and Science: Mindfulness and Modern Psychology (Spring 2017)

Mindfulness meditation is now widely embraced as a way to enhance personal wellbeing. To better understand this ancient practice, we will explore its traditional Buddhist background alongside its application and study in modern psychology and neuroscience. We will first study mindfulness in its historical context and examine how a traditionally religious practice was adapted for modern individualistic and therapeutic purposes. We will learn basic neural and psychological foundations of emotion, cognition, social behavior, and psychological disorders and raise theoretical and methodological issues in the scientific study of mindfulness. As an experiential component, students will also receive meditation training throughout the semester. (Open to psychology, religion, and neuroscience majors) 3 hrs. lect./1 hr. disc. (K. Cronise, W. Waldron)

## PSYC0216 Adolescence (Spring 2017)

This course is designed to provide an overview of adolescent development, including the biological, cognitive, and social transitions of individuals during this period of life. Development also takes place in context, and we will pay particular attention to the role of family, peer group, school, work, and culture. Students will read research literature, as well as cases, in order to examine the central psychological issues of this developmental period, including identity, autonomy, intimacy, sexuality, and achievement. (PSYC 0105; open to seniors by waiver only) 3 hrs. lect./1 hr. disc. **SOC** (R. Moeller)

## PSYC0224 Psychological Disorders (Fall 2016, Spring 2017)

What makes an individual âabnormalâ? Under what circumstances do mental health professionals classify emotions, thoughts, or behaviors as âdisorderedâ? In this course, we will explore these questions with attention to their historical, theoretical, ethical, and diagnostic implications. We will investigate various classes of disorders, like anxiety, mood, and psychotic disorders, with a focus on their causes and treatments. Throughout, we will aim to appreciate the complexities and uncertainties surrounding diagnosis, and to recognize and challenge common assumptions about psychological disorders. In addition to lecture, the course will include discussions of current and controversial topics, and occasional demonstrations, analysis of clinical case material, and/or role plays. (PSYC 0105; open to seniors by waiver only) 3 hrs. lect./1 hr. disc. **SOC** (Fall 2016: M. Kimble; Spring 2017: M. Seehuus)

## PSYC0225 Child Development (Spring 2017)

In this course, we will examine the nature of developmental change from the prenatal period through middle childhood. Our critical examination of developmental processes will invite us to consider various theoretical perspectives (e.g., learning, cognitive, biological, contextual) across various domains of development (i.e., physical, social-emotional, and cognitive). We will address major themes in developmental psychology, such as the interrelatedness of development across domains, the contributions of nature and nurture, and the relative continuity versus discontinuity of developmental change. Throughout, we will practice applying developmental principles to practical settings, policy issues, and topics of current interest. (PSYC 0105; open to seniors by waiver only) 3 hrs. lect. **SOC** (R. Moeller)

## PSYC0230 Psychology and Work: An Introduction to Industrial/Organizational Psychology (Fall 2016)

Students will learn how psychology is applied in industry and business settings. In particular, we will examine the psychological assessments used in hiring, evaluating, and training employees; issues involving harassment at work; organizational attitudes and behavior; employee satisfaction, stress and well being, work motivation, and leadership. Students will perform job analysis, read empirical research, and address the basic issues of validity in work assessments. (PSYC 0105; open to seniors by waiver only) 3 hrs. lect./1 hr. disc. **SOC** (M. McCauley)

## PSYC0233 Environmental Psychology (Spring 2017)

This course will provide an introduction to environmental psychology. We will discuss the relevance of psychology to understanding and addressing environmental problems as well as the potential for the natural environment to serve as a protective factor in our own psychological health. In particular, we will focus on using psychological theory to encourage conservation behavior. We will strive to understand not only the relevant psychological theories and empirical findings, but also the practical implications of the research. (PSYC 0105 or by approval; or ENVS 0112, or ENVS 0211, or ENVS 0215; open to seniors by waiver only) 3 hrs. lect. **SOC** (M. McCauley)

## PSYC0303 Sensation and Perception (Fall 2016)

Remarkably, using just five basic senses, our brains translate simple external stimuli (e.g. light and sound waves) into unique and vivid perceptual experiences enabling us to interact with our surrounding physical reality. Focusing primarily on the underlying mechanisms of vision and audition, we will explore how our brains construct detailed representations of our world. Throughout these explorations, we will identify perceptual limitations and investigate how mental processes such as attention and emotion affect our perceptions. We will review recent scientific articles and conduct experiments. (PSYC 0105 or any BIOL course; not open to first year students; open to psychology and neuroscience majors; others by waiver) 3 hrs. lect./1 hr. disc. **SCI** (M. Dash)

## PSYC0305 Cognitive Psychology (Fall 2016, Spring 2017)

Questions about the nature of the mind, thinking, and knowledge have a long and rich history in

the field of psychology. This course will examine the theoretical perspectives and empirically documented phenomena that inform our current understanding of cognition. Lectures, discussions, demonstrations, and experiments will form the basis for our explorations of cognition in this class. Topics to be considered include attention, perception, memory, knowledge, problem solving, and decision making. (PSYC 0105; PSYC 0201 and PSYC 0202 recommended; not open to first-year students; open to psychology and neuroscience majors; others by waiver) 3 hrs. lect./1.5 hrs. lab. **SCI** (J. Arndt)

## PSYC0307 Human Sexuality (Fall 2016)

In this course we will discuss the biological, psychological, behavioral, and cultural aspects of human sexuality, starting with a review of anatomy, physiology and function. We will use current research findings to inform discussions of topics such as arousal and desire, relationships, sexual orientation, consent, pornography, and compulsive sexual behavior. We will look at how issues like contraception, sexuality, and sexually transmitted diseases have influenced and been influenced by their cultural context. (Two psychology courses; not open to first year students; open to Psychology and GSFS majors) 3 hrs. lect. (M. Seehuus)

## PSYC0309 Psychopharmacology (Spring 2017)

This course will examine ways in which drugs act on the brain to influence behavior. Students will learn the basics of brain function, will learn basic properties of drug action, and will learn how legal and illegal drugs, including drugs used to treat psychological disorders, alter the brain function and behavior of humans and experimental animals. (PSYC 0301 or BIOL 0370 or NSCI 0252; not open to first-year students; open to psychology and neuroscience majors; others by waiver) 3 hrs. lect. **SCI** (M. Collaer)

## PSYC0320 Social and Emotional Development (Fall 2016)

In this course students will explore current research and theory on the interrelated domains of social and emotional development from infancy through adulthood. Families and peers serve as the primary relationships for childrenâs and adolescentsâ socialization, and relationships will be explored to further understand how they influence emotion regulation, adaptation to stressful life events, and intrapersonal conflicts. Emphasis will be placed on the role of context and culture in the formation of social and emotional competencies and experiences. We will explore the theory and practice of Social Emotional Learning (SEL) curricula to enhance individualsâ social and emotional skills. (PSYC 0105; PSYC 0216 or PSYC 0225; not open to first-year students; open to Psychology majors, others by waiver). 3 hrs. lect./1.5 hrs lab. **SOC** (R. Moeller)

## PSYC0327 Educational Psychology (Fall 2016)

The goal of this course is to introduce students to a psychological understanding of teaching and learning through an overview of principles, issues, and related research in educational psychology. The course will examine theories of learning, complex cognitive processes, cognitive and emotional development, motivation, and the application of these constructs to effective instruction, the design of optimum learning environments, assessment of student learning, and teaching in diverse classrooms. (PSYC 0105 and PSYC 0216 or PSYC 0225; not open to first-year students; open to psychology majors, and to education studies minors by waiver) 3 hrs. lect. **SOC** (B. Hofer)

## PSYC0350 Directed Research in Psychology (Fall 2016, Spring 2017)

Directed research provides opportunities for advanced students to become familiar with and participate in ongoing research projects under the direction of a faculty member. The student will first read background literature on the content area to be investigated and experimental methodologies to be used. Procedures involved in conducting psychological research will then be learned through firsthand experience. Potential activities include the design of research and the defining of conceptual variables and the gathering, analyzing, and interpretation of data. Finally, students will learn how to write technical articles in psychology by preparing a paper describing the project, using APA style. (Approval required; not open to first-year students) 3 hrs. lect.

## PSYC0403 Human Motivation (Spring 2017)

Why do we throw ourselves into some projects enthusiastically, while only a hefty bribe could induce us to work on others? In this seminar, we will explore the vicissitudes of human motivation across multiple perspectives (e.g., drive, learning, social-cognitive theories), domains of human activity (e.g., academics, athletics), and developmental periods. Through our own observational studies and critical reading of theory and research, we will challenge popular notions of what motivates, examine individual differences in motivation, and complicate our everyday intuitions of how motivation is experienced and measured. (PSYC 0105; open to junior and senior psychology majors only) 3 hrs. sem. (S. Gurland)

## PSYC0413 Approaches to Clinical Psychology: Theory and Practice (Spring 2017)

What are the major theoretical orientations of clinical psychology, and how does each view the domains of thinking, behavior, free will, psychopathology, and treatment? In this discussion-based course, we will explore cognitive behavioral, psychodynamic, behaviorist, existential, and other approaches to clinical psychology. Each has its own emphasis; some focus on symptoms, while others teach emotional tolerance or address unconscious drives. Using philosophy, theory, evidence, and case examples, we will explore similarities and differences among the major orientations and consider their consequences for researchers, therapists, and society at large. (PSYC 0224 recommended; open to junior/senior psychology majors; others by approval.) 3 hrs. sem. (M. Seehuus)

## PSYC0417 Cultural Nature of Child Development (Spring 2017)

In this course we will examine the cultural contexts and processes of child development. Our course will be organized by several core questions: What does childhood look like across diverse cultures? What do children typically do, what are their responsibilities, and how are they perceived? How are the sequences and endpoints of development culturally shaped, for example, in domains such as self, morality, memory, and reasoning? Our goal throughout will be to understand the dynamic interaction between culture and psychology; that is, how it is that culture âgets intoâ our minds and bodies, and how psychological processes create culture. (Open to junior and senior psychology majors, others by approval) 3 hrs. sem (A. DiBianca

Fasoli)

## PSYC0421 Psychotherapy with Children and Adolescents (Fall 2016)

How is psychotherapy carried out with children and adolescents who are so different from adults? What therapeutic approaches meet their emotional, social, and developmental needs? How does a therapist use play and other expressive therapies to help children grow and flourish? In this seminar we will explore the central theories and practices of several therapeutic approaches using the research and clinical literature and clinical materials (e.g. case discussions, videotaped therapy sessions, artwork, narratives). Evaluation will be based on student led-discussions, group presentations, and research and reaction papers. (PSYC 0105; open to junior and senior psychology majors only) 3 hrs. sem. (L. Basili)

## PSYC0430 Research Seminar in Human Memory (Spring 2017)

The goal of this course is for students to form a deep understanding of human memory via student-driven inquiry. Students will research the existing literature about a topic of their choice related to human memory, and will design and execute a novel research study. We will review basic principles of memory at the start of the semester to provide students a strong understanding of basic memory phenomena. Evaluation will be based on interim assignments that contribute to the final research project (project proposal, project design), as well as dissemination of the final research projectâs results (poster presentation, in-class talk, and manuscript write-up). (PSYC 0201 or ECON 0210 or MATH 0116 or BIOL 0211; open to junior and senior psychology and neuroscience majors only) 3 hrs. sem. (J. Arndt)

## PSYC0436 Positive Psychology: What Works and Why (Fall 2016)

In this course we will focus on the field of positive psychology to broaden our understanding of what makes people thrive in this hectic world. We will review the literature on the antecedents of happiness, well-being, and grit, and explore the extent to which there are clear, predictable explanations for why some people are more resilient in life than others. To do this, we will begin with popular press representations of positive psychology (books and blogs) and then reverse engineer the process from which they emerged by reading the academic articles that form the basis of these recommendations. Students will use their foundational knowledge in methodology and statistics to assess the practical value of these recommendations to schools, businesses, and society in general. Not open to students who have taken FYSE 1435. (Open to junior and senior psychology majors) 3 hrs. sem. (M. McCauley)

## PSYC0440 Health Psychology (Fall 2016)

In this course we will explore contributions of psychological research and theory to the treatment, management, and prevention of illness, as well as the promotion of health. Students will consider how the psychological study of health has led to new insights of mind-body connections. We will primarily focus on health issues in the United States, but we will also explore health in a global context. Course readings and activities will focus on such topics as

HIV/AIDS, obesity, stress management, and health promotion behaviors. Students will choose a health promotion topic that will be pursued in greater detail throughout the course, and present their work in class. (Open to junior and senior psychology majors, others by approval) 3 hr. sem. **SOC** (R. Moeller)

## PSYC0500 Advanced Research (Fall 2016, Spring 2017)

A program of research arranged to meet the needs of advanced students majoring in psychology. (Approval required)

## PSYC0700 Senior Research (Fall 2016, Spring 2017)

A program of research arranged to meet the needs of advanced senior majors in psychology. (PSYC 0201 and PSYC 0202; Approval required)

## PSYC0701 Senior Thesis Proposal (Fall 2016, Spring 2017)

Students hoping to be considered as candidates for departmental honors must enroll in PSYC 0701 under the sponsorship of a department faculty member and submit a formal, written research proposal to the department by 5 p.m. on the Wednesday during the final week of fall classes in their senior year. If the proposal is approved, the student will enroll in PSYC 0702 during the winter term and PSYC 0703 during the spring term of their senior year. (Feb graduates should consult with their advisors about the appropriate semester in which to begin a thesis.) (PSYC 0201 and PSYC 0202; Approval required)

## PSYC0702 Senior Thesis Second Semester (Fall 2016, Spring 2017)

Students whose honors thesis proposal (PSYC 0701) has been approved will collect, analyze, and interpret their data. This is the second semester of the 3-semester senior thesis. (PSYC 0201, PSYC 0202, and PSYC 0701; Approval required)

## PSYC0703 Senior Thesis (Fall 2016, Spring 2017)

Senior Thesis*
This is the third and final semester of the senior thesis. Students will finish analyzing, and interpreting their data. This process culminates in a written thesis to be submitted by 4 p.m. on the Monday BEFORE the final week of spring classes, a presentation, and an oral defense. The decision about awarding departmental honors will be made after the student submits the thesis. (PSYC 0201, PSYC 0202, and PSYC 0702; Approval required)

### Religion

**Requirements for the major (11 courses):** The Religion major allows students to concentrate in a variety of sub-fields within the larger field of the study of religion. These sub-fields can be based on traditions, geographical areas, or themes.

- While the plausibility of concentrating on a given sub-field depends on the availability of expert faculty members therein, the department currently offers the following concentrations: **traditions,** such as Buddhism, Christianity, Islam, Judaism.; **geographical areas**, such as, South Asia, East Asia, the Americas; and **themes**, such as mysticism, ethics, and sacred texts. Students are encouraged to consult with faculty members to explore other options or combinations thereof.

The major will consist of at least **eleven** courses, including no more than one winter term course, distributed as follows:

- **A primary concentration of five** courses**:** a four course concentration in a specific sub-field plus a **senior** project or thesis related to that sub-field. The courses must include a **0100** level course and a **0300** level **seminar** that focus in that tradition/area.
- **RELI 0400**, Seminar on the Study of Religion
- A **distribution** of **five** other courses elected by the student in close consultation with his/her adviser, subject to the following provisions:

(1) Majors must make sure that they have had exposure to a variety of different religious **traditions** (for example, Asian and Western) as well as a variety of **methodological** approaches to the study of religion (for example, historical, sociological, anthropological, or philosophical).

(2) Majors must take at least one 0300 **seminar outside** their primary sub-field of concentration within the religion department.

*Important note*: Students should consult closely with faculty advisors to determine which courses in the department satisfy a given concentration. The chair of the department, in consultation with the students advisor, will determine how transfer credits and courses taken during study abroad will be applied toward departmental requirements.

***Joint major***: *Please note*: the chair of the department must approve each joint major proposal. For the Religion component of a joint major, a student will complete **seven** courses:

- A **primary concentration** of **four** courses in one sub-field. These courses will include a 0100-level course and a 0300-level seminar that focus in that **sub-field**.
- **Two electives**
- **RELI 0400.** Seminar on the Study of Religion

In addition, the student will complete a **Senior** Project or Thesis utilizing the expertise of both majors.

***Religion Minor***: The Religion minor will consist of at least **five** courses, **three** of which will focus in a single **sub-field**. One of the courses in the focus must be a **seminar** at the 0300-level or above.

**Requirements Prior to Fall 2016**

**Requirements for the major (11 courses):** *(For students declaring a Religion Major beginning with the Spring 2011 semester)* The Religion major allows students to concentrate in particular **Traditions** (Buddhism, Christianity, Hinduism, Islam, or Judaism) and/or **Areas**

(American Religion or Ethics). The major will consist of at least eleven courses, including no more than one winter term course, distributed as follows:

- a ***primary concentration*** of **four** courses in a specific Tradition or Area. These courses will include a 0100-level course and a 0300-level seminar that focus in that tradition/area.
- a ***secondary concentration*** of **three** courses in a specific Tradition or Area. These courses will include a 0100-level course and a 0300-level seminar that focus in that tradition/area.
- Two electives.
- ***RELI 0400***, Seminar on the Study of Religion
- ***a Senior Project or Thesis*** (RELI 0700/0701). Normally senior work will relate to the majors primary concentration of study.

*Important Notes:*
(1) Majors must take at least one course in Western Traditions (Christianity, Judaism, or Islam) and one course in Asian Religions (e.g., Hinduism, Buddhism, Taoism). These courses may be used toward the primary or secondary concentration, or they may be electives.
(2) At least one of the two concentrations in a Religion major must focus on a Tradition. The other may focus on a second Tradition or an Area.
Students should consult closely with faculty advisors to determine which courses in the department satisfy a given concentration. The chair of the department, in consultation with the students advisor, will determine how transfer credits and courses taken during study abroad will be applied toward departmental requirements.
***Joint major***: *Please note*: the chair of the department must approve each joint major proposal. For the Religion component of a **joint major**, a student will complete seven courses:

- A **primary concentration** of **four** courses in one Tradition or Area. These courses will include a 0100-level course and a 0300-level seminar that focus in that tradition/area.
- A **secondary concentration** of **two** courses in another Tradition or Area
- RELI 0400

In addition, the student will complete a Senior Project or Thesis that utilizes the expertise of both majors.
***Religion Minor***: The Religion minor will consist of at least five courses, three of which will focus in a single Tradition or Area. One of the courses in the focus must be a 0300-level seminar.
***The Minor in Jewish Studies***: Refer to Jewish Studies for description, or if searching the online catalog, please refer to Interdisciplinary Programs.
**The Minor in Hebrew*:*** Refer to Hebrew in the Course Catalog for description, or if searching the on-line catalog, please refer to Interdisciplinary Programs.
***Departmental Honors***: Graduation with departmental honors requires at least a B+ in courses counted toward the major. Students who meet this threshold and receive an A- or A on their senior project will be awarded Honors. Students who meet the course grade threshold and write a thesis will be eligible for Honors if the thesis grade is at least a B+, and High Honors if the thesis grade is an A- or A. Highest Honors will be reserved for students who earn at least an A- in courses counted toward the major and an A on the thesis.

# RELI0100 Introduction to Religion (Spring 2017)

Religion has always been a significant element in human life and history. Why is this? What roles does religion play in peoplesâ lives and societies? Are there deeper commonalities underlying various religious traditions, despite their external differences? And what is religion anyway? We

will examine these questions by introducing the basic vocabulary and analytic tools of the academic study of religionâa modern discipline stemming from the ideals of the Enlightenmentâand by examining multiple case studies, both Western and Asian. We will also discuss multiple ways, sympathetic or critical, that influential thinkers make sense of religion in modern times. 3 hrs. lect./disc. **CMP, PHL** (S. Goldman)

## RELI0120 Asian Religious Classics (Spring 2017)

An introduction to the classics of the major religious traditions of Asia: Taoism, Confucianism, Buddhism, and Hinduism. Central themes from these traditions will be studied through the selected scriptures and texts of each tradition. 3 hrs. lect., 1 hr. disc. **AAL, CMP, PHL** (E. Morrison, W. Waldron)

## RELI0130 The Christian Tradition (Fall 2016)

We will examine Christian origins in global historical context, beginning with the life of Jesus and then focusing on Paulâs role in doctrine formation. Readings from the Bible and theologians like Augustine will give us insight into the development of regional church leadership, rituals, music, and the use of Scripture and reason. Then we will look at the impact of Catholic and Protestant Reformations on western culture and politics, and in recent times, we will examine the growth of the Roman Catholic Church, Pentecostalism, and Mormonism in the global south, in contrast to secularism in the northern hemisphere. Visits to local churches will promote a deeper understanding of contrasting Christian worldviews. 2 hrs. lect./1 hr. disc. **CMP, HIS, PHL** (E. Gebarowski-Shafer)

## RELI0140 Hindu Traditions of India (Fall 2016)

In this course we will identify and examine key themes and issues in the study of Hindu religious traditions in India, beginning with the defining of the terms Hinduism, religions, and religious. We will primarily focus on the ways Hindu religious traditionsâtexts, narratives, and practicesâare performed, received, and experienced in India. Essential aspects of Hindu religious traditions will be examined, including: key concepts (darsan, dharma, karma and caste), key texts (the Bhagavad Gita and the Ramayana), and major religious deities (Shiva, Devi and Vishnu). The course will also cover contemporary Hindu-Muslim encounters, and the emerging shape of Hinduism in the American diaspora. 2 hrs. lect./1 hr. disc. **AAL, PHL** (J. Ortegren)

## RELI0170 Religion in America (Fall 2016)

America often has been defined paradoxically as both the "most religious" and "least religious" of nations. This course, a historical survey of American religious life, will trace the unique story of American religion from colonial times to the present. Guiding our exploration will be the ideas of "contact," "conflict," and "combination." Along the way, we will examine the varieties of religious experiences and traditions that have shaped and been shaped by American culture such as, Native American traditions, Puritan life and thought, evangelicalism, immigration, African-American religious experience, women's movements, and the on-going challenges of religious diversity. Readings include sermons, essays, diaries and fiction, as well as secondary source material. 2 hrs. lect./1 hr. disc. **HIS, NOR, PHL** (E. Rochford)

## RELI0180 An Introduction to Biblical Literature (Spring 2017)

This course is a general introduction to biblical history, literature, and interpretation. It aims to acquaint students with the major characters, narratives, and poetry of the Jewish and Christian scriptures, with special emphasis on the ways scripture has been used and interpreted in Western culture. Students interested in more detailed analysis of the material should enroll in RELI 0280 and RELI 0281. 3 hrs. lect./1 hr. disc. **LIT, PHL** (E. Gebarowski-Shafer)

## RELI0209 Religion and Science: Mindfulness and Modern Psychology (Spring 2017)

Mindfulness meditation is now widely embraced as a way to enhance personal wellbeing. To better understand this ancient practice, we will explore its traditional Buddhist background alongside its application and study in modern psychology and neuroscience. We will first study mindfulness in its historical context and examine how a traditionally religious practice was adapted for modern individualistic and therapeutic purposes. We will learn basic neural and psychological foundations of emotion, cognition, social behavior, and psychological disorders and raise theoretical and methodological issues in the scientific study of mindfulness. As an experiential component, students will also receive meditation training throughout the semester. (Open to psychology, religion, and neuroscience majors) 3 hrs. lect./1 hr. disc. (K. Cronise, W. Waldron)

## RELI0225 Chinese Religions (Fall 2016)

An introduction to the rich religious history of China, with an emphasis on primary sources. Topics will include: the ideas and practices of ancient China, the teachings of Confucius and early Taoist (Daoist) thinkers, the introduction of Buddhism to China and its adaptation to Chinese culture, the complex interaction of Buddhism with the Confucian and Taoist traditions, the role of the state in religion, the "popular" Chinese religion of local gods and festivals, and the religious scene in modern Taiwan and mainland China. 3 hrs. lect. **AAL, PHL** (E. Morrison)

## RELI0233 Christianity in Africa (Fall 2016)

Christianity has an ancient heritage in Africa and a vibrant presence today, especially in the form of charismatic and Pentecostal movements which emphasize divine healing and prophecy. In this course we will examine the texts, beliefs, and individuals who shaped early Christianity in northern Africa and Ethiopia, with emphasis on monasticism, martyrdom, and the writings of Augustine of Hippo. Then we will examine cross-cultural contact with European Christians, including Roman Catholic and Protestant missionary encounters. We will examine issues of racism, sexism, and cultural superiority past and present, to help us understand the complex role of religion and belief in the supernatural in post-colonial Africa today. 3 hrs. lect./disc. **AAL, CMP, CW, PHL** (E. Gebarowski-Shafer)

## RELI0237 Christianity in Early Modern Europe (Spring 2017)

In this course we will examine the theological ideas and social conditions that transformed European life and thought in the 16th and 17th centuries. Particular attention will be paid to the Protestant Reformation in Germany and England, as well as the Catholic Counter-Reformation and changes within the Roman Catholic Church. We will study theologians like Martin Luther, John Calvin, and Teresa of Avila, alongside popular religious practices and music of the period. Finally, we will ask how cultural evolution and religious revolution influenced one another, especially in the emergence of popular English Bibles and in the European colonization of Africa and the Americas. 3 hrs. lect. **CMP, EUR, HIS, PHL** (E. Gebarowski-Shafer)

## RELI0238 Literature and the Mystical Experience (Fall 2016)

In this course we will explore how narrative art articulates spiritual perception by examining selected works of 20th century writers such as Miguel De Unamuno, Nikos Kazantzakis, J. D. Salinger, Charles Williams, Flannery O'Connor, Thomas Merton, Alice Munroe, Marilynne Robinson, and Annie Dillard. Drawing on theology and philosophy as an interpretative mode, we will consider the following questions: How does literature illuminate selfhood and interiority? How do contemplation and ascetic practice guide the self to divine knowledge and cosmic unification? How do language, imagery and symbols shape the unitive experience as a tool for empathy and understanding of the other? 3 hrs. lect./1 hr. disc. **LIT, NOR, PHL** (M. Hatjigeorgiou)

## RELI0243 Hindu Ethics (Spring 2017)

**Hindu Ethics AT, ET ***
**What constitutes the good life? How is morality established? Who are the arbiters of virtuous conduct? Such questions will guide us as we probe the complexities of ethics in Hindu religious life. We will identify how such notions as /dharma/, caste, karma, /moksÌ£a/, purity, and nonviolence have shaped the development of Hindu moral consciousness. We will do so through readings of orthodox Hindu ethical texts (/dharma Åastra/), ethnographic explorations of moral identity, considerations of holistic medicine (Ayurveda), theological visions of protecting the environment, and modern reform movements headed by Gandhi and Ambedkar. With increased sensitivity we will more deeply understand Hindu moral identities while considering our own ethical determinations. 3 hrs. lect./disc. AAL, PHL** (J. Ortegren)

## RELI0254 Islam in South Asia AT (Spring 2017)

Islam has played a significant role in shaping the culture and politics of South Asia, from the seventh century to the present. In this course we will consider the historical, socio-cultural, religious, and political impact of Islam in South Asia. We will begin with the introduction of Islam into the South Asian landscape, covering a range of historical moments, including the Delhi Sultanate, the rise of Mughal rule, colonial interactions, and the development of new nation states. We will then examine Islam as it is lived, practiced, and experienced in contemporary South Asia, focusing on themes such as mysticism and sainthood; issues of gender; and Hindu-Muslim encounters. 3 hrs. lect./disc. **AAL, HIS, PHL** (J. Ortegren)

## RELI0256 Islam and Judaism (Fall 2016)

In this course we will compare and contrast the histories, practices, and beliefs of Islam and Judaism. Our source materials will include scriptural and post-scriptural texts, as well as representative selections from religious polemics of both the pre-modern and modern periods. We will also watch a number of documentary films on the topic. 3 hrs. lect./disc. **AAL, CMP** (S. Goldman)

## RELI0277 The Arabian NightsâStorytelling, Orientalism, and Islamic Culture (Spring 2017)

In this course we will study the great medieval classic *The Arabian Nights* or *The Thousand and One Nights Entertainment*. Compiled in Egypt and Syria in the 14th century and translated into French and other European languages in the 17th and 18th centuries, this âocean storyâ has had a profound effect on the development of the literatures of both the Middle East and the West. The incorporation of âArabian Nightsâ motifs in European art and orientalist discourse will be central in our enquiry. This course is not open to students who have taken RELI/CMLT 1038. **AAL, CMP, LIT** (S. Goldman)

## RELI0293 Ethics in Health Care (Spring 2017)

This course is an introduction to the principles, virtues, and other moral norms that guide decision-making in health care. We will focus on moral values accepted by Protestant, Catholic, Jewish, and humanistic traditions, and embedded in a liberal, pluralistic society. Popular films and numerous case studies will provide students an opportunity to develop skills in moral reasoning, in conversation with these intellectual traditions. The health care issues we will consider include expectations for patient-physician relationships, research on human subjects, euthanasia and assisted suicide, abortion, assisted reproduction, genetic information, and access to health care resources. 3 hrs. lect./disc. **NOR, PHL** (J. Davis)

## RELI0297 Middle Eastern Political Religion (Fall 2016)

Since the Iranian Revolution of 1979 and the rise of Religious Zionism in Israel, Middle Eastern politics and religion have become inextricably linked. In this course we examine the relationship between politics and religion in the Arab states, Israel, and Iran. Readings include selections from the scriptures of the monotheistic traditions, historical accounts of religious and political change, and theoretical analyses of historical trends. Throughout the term we will follow news accounts of current developments in the Middle East. 3 hrs. lect. **AAL, PHL** (S. Goldman)

## RELI0298 Privilege and Poverty: The Ethics of Economic Inequality (Fall 2016)

In this course we will study the ethical implications of domestic and global economic inequality. Drawing from history, economics, sociology, philosophy, theology, and other disciplines, we will examine the causes and consequences of inequality, critically evaluate our usage of the terms âprivilegeâ and âpoverty,â and consider the range of moral responses individuals and society might have to inequality. We will ask whether it is unfair, unfortunate, or necessary that some citizens live with significantly less material wealth than others, and whether those who experience âprivilegeâ have any moral responsibility to those who exist in âpoverty.â **PHL, SOC** (J. Davis)

## RELI0303 Cults and New Religions (Fall 2016)

Religious outsiders have been persistent yet controversial. Mystics and messiahs preaching a variety of radical beliefs and ways of life have provoked strong responses from mainline traditions as well as from publics concerned about the "cult" menace. Yet new religions have also been a source of religious experimentation and revival. In this course we will explore the unique characteristics of new religions, the historical circumstances that give rise to them, who join and why, the societal reaction they generate, questions of authority and leadership, violence, and the factors that influence their success, decline and failure. A variety of new religions from North America and the West, as well as from Japan and China, will be considered. These may include the Shakers, the People's Temple, Hare Krishna, Soka Gakkai, the Children of God/Family, Solar Temple, Aum Shinrikyo, Falun Gong, the Branch Davidians, and the Raelians. 3 hrs sem. **CMP, PHL, SOC** (E. Rochford)

## RELI0362 Religion and Nationalism â Israel and Palestine (Spring 2017)

How do Palestinian and Jewish nationalisms compare? Are they âsimplyâ national movements? Are they secular or religious movements? Is Zionism a European colonial enterprise, a manifestation of âOrientalismâ and racism, or a Jewish response to these phenomena? We will study the development of Jewish and Palestinian nationalisms, with attention to religion, political ideology, and to competing and contradictory versions of history. Course materials will include readings by major proponents and critics of both Palestinian and Jewish nationalism, debates on historiography, memoir, and film. Will include debate simulations. Fulfils requirements for MES Major and JWST Minor. 3 hrs. sem. **AAL, HIS, PHL** (R. Schine)

## RELI0384 Women, Religion, and Ethnography (Fall 2016)

In this course we will focus on ethnographic scholarship regarding women in various religious traditions. We will begin with questions of feminist ethnography as proposed by Lila Abu-Lughod and then read a range of ethnographies focusing on women in different contexts, including a female Muslim healer in South India, Kalasha women in Pakistan, Bedouin Muslim women in Egypt, and Catholic nuns in Mexico. We will focus on how gendered and religious identities are constructed and intertwined, and what ethnography contributes to the study of both religion and gender. A prior course in Religion, Anthropology, or Gender, Sexuality, and Feminist Studies is recommended. 3 hrs. sem. **AAL, CMP, PHL** (J. Ortegren)

## RELI0388 The Book of Job and the Problem of Evil (Spring 2017)

Why do the innocent suffer? The Book of Job asked this question millennia ago, giving not an explicit answer, but at least a response. Framed by a prose tale on the patient Job, the book is mainly a debate in poetry between an impatient Job and his âfriendsâ that has continued to our day, in Jewish, Christian, and Islamic thought, and in philosophy. We will study the debate on the meaning of Job in philosophy and religion through the works of Maimonides, Kant, Hume, Voltaire, William Blake, Jung, and others. Familiarity with Biblical studies or philosophy of religion is helpful, but not required. 3 hrs. sem.Â  **PHL** (R. Schine)

## RELI0398 American Religion and Social Justice (Spring 2017)

Religious communities and organizations have contributed significantly to moral and social reform movements throughout U.S. history. From the colonial period to the present, religion has helped shape the discourse around issues like economic justice, racial equality, womenâs rights, immigration, environmentalism, and LGBTQ rights. In this course we will study religious involvement in these social justice movements, critically examining the theologies that inspired both reform and resistance to social change. Throughout the course, we will consider the impact religion may have hadâpositive and negativeâon struggles for social justice in the United States. 3 hrs. sem. **HIS, NOR, PHL** (J. Davis)

## RELI0400 Understanding Religion: Foundational Theories and Methods (Fall 2016)

In this seminar we will examine the genesis of the academic study of religion in the modern world by reading seminal texts of such founding thinkers as: Durkheim, Weber, James, Freud, Jung, and Eliade. We will analyze these and more recent theories and methods in the sociological, psychological, and comparative study of religion, discerning their assumptions and implications, strengths and weaknesses, and utilizing them in focused written assignments. We end with the study of text-critical methods, interpreting the Garden of Eden story from multiple perspectives. Open to juniors and seniors who have had two religion courses or by waiver. 3 hrs. sem. (W. Waldron)

## RELI0472 Buddhist/Christian Monasticism (Spring 2017)

âThe Religious Lifeâ: Buddhist and Christian Monastic Traditions Compared*
Both Buddhism and Christianity include traditions of monasticism, of men and women leaving home for âthe religious life.â In this course, we will study and compare Buddhist and Christian monasticism from historical and religious perspectives. We will read primary sources, from the Life of St. Anthony and the Rule of St. Benedict to the verses attributed to the first Buddhist nuns and a Zen monastic code. We will examine monastic vocation, the integration of monasteries into society, and the adaptation of monasticism to different cultures. Throughout, we will highlight the role of gender. We will conclude with attention to contemporary manifestations of monastic culture. This course is equivalent to HIST 0472 and INTL 0472. 3 hr sem. **CMP, HIS, PHL** (L. Burnham, E. Morrison)

## RELI0500 Independent Research (Fall 2016, Spring 2017)

(Approval Required)

## RELI0700 Senior Project (Fall 2016, Spring 2017)

(Approval Required)

## RELI0701 Senior Research for Honors Candidates (Fall 2016, Spring 2017)

Approval required

## Russian

***Major Requirements:*** Normally, majors must complete second-year Russian, RUSS 0122, RUSS 0151, four other courses, including at least one mainstream course in Russia, and a senior seminar. (HIST 0247 and HIST 0248 may be substituted for RUSS 0122.) Each student's program is planned individually with the department chair. Students planning careers in government, business, or law are advised to consider a major in the Russian and East European studies track of the International and Global Studies program. Russian majors also frequently combine their language study with a minor in economics, geography, history, or political science, or do a joint or double major with one of these subjects. Majors planning teaching careers should study a second language, preferably through at least the third-year level, and should consult members of the education studies faculty regarding certification.
***Departmental Honors:*** Majors with a B+ average in Russian courses and a B average overall are encouraged to prepare an honors thesis, the final copy of which is due April 20 of the year of graduation. Departmental honors are determined by a combination of thesis grade and grade point average in courses taken in the Russian Department, the Russian School and Middlebury's programs in Russia. Highest honors will be awarded for a GPA of 3.75 plus A on the thesis; high honors will be awarded for a GPA of 3.5 and A- or better on the thesis, and honors will be awarded for a GPA of 3.35 and a grade of B+ or better on the thesis.
***Minors:*** The Russian department offers two minor programs: The Russian language minor includes RUSS 0101, RUSS 0103, RUSS 0201, RUSS 0202, RUSS 0311 and RUSS 0312. The Russian literature and culture minor includes any two of RUSS 0122, RUSS 0151, RUSS 0152, RUSS/FMMC 0245, and three of the following: RUSS 0351, RUSS 0352, RUSS 0354, and RUSS/ENAM 0359. A first-year seminar may, on occasion, be substituted for one of these courses.
***Junior Year in Russia:*** All majors and language minors are encouraged to study for a year in Russia. Middlebury's programs at Irkutsk State University, Russian State University for the Humanities in Moscow, and Yaroslavl State Pedagogical University are open to juniors who have completed 0300-level Russian. Students in Moscow may also enroll in courses at the Shchukin Theater Institute and the Higher School of Economics. Students are strongly encouraged to spend a summer in the Kathryn Wasserman Davis School of Russian on the Middlebury College campus before studying abroad in Russia. Students who have completed only 0200-level Russian must spend the fall semester at Yaroslavl. In their first semester, all students will take conversation, composition, and culture/civilization courses organized exclusively for our students; students who have completed third-year-level Russian will also take one mainstream course with Russian students, selected from the full university curriculum. In the second semester, students who have not yet taken a mainstream course will take one, and students who have already taken one will take two or more, in addition to the courses organized for Middlebury. Majors are expected to take at least one mainstream course while in Russia. Students unable to attend for a full year may study in Russia for one semester, preferably in the fall. The following courses are among those offered at our programs in Russia in recent years. While we cannot guarantee that each of these courses will be available on a regular basis, they are representative of the kinds of offerings students may expect:

**In Irkutsk:**
Russian Literature of the Nineteenth Century
Language of the Mass Media
Scientific Texts
History of Russia 1917-1970 Through Film

Siberian Culture and Ethnic Groups

**In Moscow:**
Russian Folklore
History of Economics
Nationalities and Contemporary Political Problems
The Language of Russian Business
Russian Civilization and Culture: Art, Architecture, and Music
Stage Speech (at the Shchukin Theater Institute)
Strategies against Corruption (at the Higher School of Economics)

**In Yaroslavl:**
History of Russia, Tenth - Seventeenth Centuries
Modern Russian History and Contemporary Politics
Readings in Russian Literature
Russian Prose Translation
Russian Civilization and Culture: Art, Architecture, and Music

## RUSS0101 Beginning Russian (Fall 2016)

This course is an approach to the language using four skills (speaking, listening, reading, and writing). It provides a firm control of the sound system and the structure of Russian. Although much emphasis is put on the spoken colloquial language, reading, writing, and a conscious understanding of the fundamentals of grammar prepare a strong foundation for work in advanced courses or for reading in specialized fields. 3 hrs. lect./3 hrs. drill. **LNG** (T. Portice, M. Walker)

## RUSS0103 Beginning Russian (Spring 2017)

This course is a continuation of the approach used in RUSS 0102, but with increased emphasis on reading. (RUSS 0102) 3 hrs. lect./3 hrs. drill. **LNG** (K. Moss, T. Portice)

## RUSS0122 The Russian Mind (in English) (Spring 2017)

In this course we will study the dominant themes of Russia's past and their role in shaping the present-day Russian mind. Topics will include: Slavic mythology; Russian Orthodoxy; Russian icons; the concept of autocracy; the legacy of Peter the Great and Catherine the Great; the Golden Age of Russian Literature (Pushkin, Gogol, Tolstoy and Dostoevsky); Russian composers, including the "Mighty Five"; Russian theater and ballet; the origins of Russian radicalism; the Russian Revolution; the legacy of Lenin and Stalin; and Russia from Khrushchev to Putin. 3 hrs. lect. **AAL, HIS, LIT** (T. Portice)

## RUSS0151 Russian Literature's Golden Age: 1830-1880 (in English) (Fall 2016)

Duels, ghosts, utopias, murders, prostitution, and adultery- these are the raw materials Russian authors turned into some of the world's greatest literature. This course is an introduction to Russian literature of the 19th century, from the short stories of Pushkin and Gogol to the great novels of Dostoevsky and Tolstoy. The centrality of literature in Russian society and the

interrelations among the authors and texts will be discussed. How do the authors combine reality, fantasy, and philosophy to make these works both uniquely Russian and universal? 3 hrs. lect. **EUR, LIT** (T. Beyer)

## RUSS0201 Intermediate Russian (Fall 2016)

Systematic review of grammar and development of the spoken and written skills attained in Beginning Russian. (RUSS 0103 or equivalent) 3 hrs. lect./3 hrs. drill **LNG** (K. Moss, M. Walker)

## RUSS0202 Intermediate Russian (Spring 2017)

Continuation of the approach used in RUSS 0201. Reading of contemporary Russian texts, conversation, and written assignments in Russian based on reading assignments. (RUSS 0201 or equivalent) 3 hrs. lect./3 hrs. drill **LNG** (K. Moss, M. Walker)

## RUSS0311 Russian Culture and Civilization I (Fall 2016)

This course offers a bilingual approach to the study of Russian culture from its origins to the mid-nineteenth century. Works of literature, art, and music will be examined in their historical context. Particular emphasis will be devoted to the improvement of oral and written skills. (RUSS 0202 or equivalent) (formerly RUSS 0411) 3 hrs. lect **EUR, LIT, LNG** (T. Smorodinska)

## RUSS0312 Russian Culture and Civilization II (Spring 2017)

This course is a continuation of RUSS 0311 but may be taken independently. It offers a bilingual approach to the study of Russian culture from the second half of the nineteenth century to the present. Works of literature, art, and music will be examined in their historical and political context. Particular attention will be devoted to the improvement of oral and written skills. (RUSS 0202 or equivalent) (formerly RUSS 0412) 3 hrs. lect. **EUR, LIT, LNG** (M. Walker)

## RUSS0351 Dostoevsky (in English) (Fall 2016)

A study of the most important works by literary giant Fyodor Dostoevsky. Readings include: selected early fiction (Poor Folk, The Double, The Gambler); his seminal manifesto Notes from Underground; his first major novel Crime and Punishment; and his masterpiece The Brothers Karamazov.Biographical information, excerpts from the author's notebooks, analysis of comparative translations, and film adaptations will supplement readings. No knowledge of Russian required. Open to first-year students. 3 hrs. lect. **EUR, LIT** (T. Beyer)

## RUSS0359 The Art of Vladimir Nabokov (in English) (Spring 2017)

A study of the "perverse" aesthetics of this Russian-American writer. We will expose the hidden plots under the surface of his fiction, follow and arbitrate the ongoing contest between the author and his fictional heroes, and search for the roots of Nabokov's poetics in Western and Russian literary traditions. An attempt will be made to show the continuity between the Russian

and English works of this bilingual and bicultural writer. 3 hrs. lect. **LIT, NOR** (M. Walker)

## RUSS0500 Advanced Studies in Language and Literature (Fall 2016, Spring 2017)

Supervised individual study for highly qualified students. (Approval required)

## RUSS0700 Senior Independent Study (Fall 2016, Spring 2017)

(Approval required)

## RUSS0704 Senior Seminar (in Russian) (Fall 2016)

This seminar topic changes every year. Recent seminar titles have included *Research, Recast, Relay*, *The History of Russian Poetry*, and *Russian Drama*. This course will provide students with the skills to identify and utilize Russian sources, provide professional quality written summaries and analyses, make oral presentations in Russian, and produce a substantial written assignment and project. (Senior Majors) 3 hrs. sem. (T. Smorodinska)

### Sociology & Anthropology

***Required for the Major in Sociology/Anthropology:*** A minimum of 10 courses will constitute the major; at least eight of these courses (and all the core courses listed in the tracks below) must be fall and spring courses taught at Middlebury (e.g., not winter term courses or transfer credits). No more than two electives may be introductory 0100-level courses. We strongly recommend that students planning a study abroad experience take at least one area studies course. Students must complete a methods course (SOAN 0301 or SOAN 0302) before they begin either SOAN 0700 or SOAN 0710 in order to prepare for this senior research and writing project.

There are three tracks a student may choose from:

***Track 1: Sociology/Anthropology*** consists of SOAN 0103, SOAN 0105, SOAN 0301 or SOAN 0302, and SOAN 0305 or SOAN 0306. Students must also take a 0400-level seminar and complete a senior project (SOAN 0700 or SOAN 0710), and these requirements may be in either sociology or anthropology. In addition, each sociology/anthropology track major will take four electives in the department.

***Track 2: Anthropology*** consists of SOAN 0103, either SOAN 0301 or 0302, SOAN 0306, a 0400-level anthropology seminar and a senior project (SOAN 0700 or 0710). In addition, anthropology track majors will take five electives in the department, of which at least four must be anthropology, and of which at least one must be in archaeology or linguistic anthropology.

***Track 3: Sociology*** consists of SOAN 0105, either SOAN 0301 or 0302, SOAN 0305, a 0400-level sociology seminar and a senior project (SOAN 0700 or 0710). In addition, sociology track majors will take five electives in the department, of which at least four must be sociology.

***Joint Majors in Sociology/Anthropology and Environmental Studies-Human Ecology:*** This focus requires eight or nine courses depending on senior work: SOAN 0103; SOAN 0105; SOAN

0211; SOAN 0301 or SOAN 0302; SOAN 0305 or SOAN 0306; two electives related to the topic of human ecology (to be selected in consultation with your advisor) from among sociology/anthropology offerings, ENVS 0210. In addition, students will take either SOAN 0700 or SOAN 0710. This focus qualifies students for joint major status.No more than one course may be taken outside of the regular fall and spring semesters at Middlebury (e.g., as a winter term course or transfer credit).

***Joint Majors with other departments:***Students wishing to do a joint major with another department or program must complete the following sociology/anthropology courses: SOAN 0103, SOAN 0105, SOAN 0301 or SOAN 0302, SOAN 0305 or SOAN 0306, SOAN 0700 or SOAN 0710 and two electives. No more than one course may be taken outside of the regular fall and spring semesters at Middlebury (e.g., as a winter term course or transfer credit). Any departures from this program must be approved by the department chair.

The Departments of Sociology/Anthropology and Psychology no longer offer a Joint Major in Sociology and Psychology.

***International and Global Studies Major:*** To specialize in sociology/anthropology within the International and Global Studies major, students must take: SOAN 0103, SOAN 0105, SOAN 0305 or SOAN 0306, plus three other sociology/anthropology electives. No more than one elective may be taken outside of the regular fall and spring semesters at Middlebury (e.g., as a winter term course or transfer credit). Students who plan to write an IGS senior thesis must complete either SOAN 0301 or SOAN 0302 as one of these electives before starting the thesis.

***Sociology Minor:***SOAN 0105 and four elective courses in SOAN, no more than one of which can be at the 0100-level and no more than one of which can be an anthropology course. No courses may be taken outside of the regular fall and spring semesters at Middlebury (e.g., no winter term courses or transfer credits).

***Anthropology Minor:***SOAN 0103 and four elective courses in SOAN, no more than two of which can be at the 0100-level and no more than one of which can be a sociology course. No courses may be taken outside of the regular fall and spring semesters at Middlebury (e.g., no winter term courses or transfer credits).

***Senior Project in Sociology/Anthropology:***Each student must complete an independent research project of at least one semester. The senior program typically consists of either a one-semester senior project (SOAN 0700, one credit, usually 25-40 pages) or a two-semester senior project (SOAN 0710, two credits, usually 60-100 pages). Students who wish to work on a project for more than one semester must present their progress for review by two professors who will decide whether the project qualifies for extended study. A one-semester project can be either in the fall or spring semesters; a two-semester project is usually in the fall and winter semesters or in the winter and spring semesters. Variation from these patterns is possible by permission from the department. A mandatory non-credit senior seminar for both SOAN 0700 and SOAN 0710 begins the first week of fall semester and meets as necessary during the rest of the year. Senior project requirements for joint majors and other special circumstances will be approved in consultation with both departments.

A SOAN 0700 project qualifies for honors after both the project adviser and a second reader from the SOAN faculty agree that it deserves an A- or an A. A SOAN 0710 project qualifies for honors after an oral defense with the project advisor, a second reader from within the sociology/anthropology department, and (optional) a third reader from another part of the College or the local community. If this committee agrees that the SOAN 0710 project deserves a B+, the student receives honors; if the grade is A-, the student receives high honors; and if the grade is A, the student receives highest honors.

***Departmental Honors:***To receive honors, students must a) achieve a minimum of a B average in all sociology/anthropology courses and b) achieve an A or A- for their one-semester project (SOAN 0700), or an A, A- or B+ for their two-semester project (SOAN 0710).

## SOAN0103 Selected Topics in Sociocultural Anthropology (Fall 2016, Spring 2017)

This course introduces students to the varieties of human experience in social life and to the differing approaches and levels of analysis used by anthropologists to explain it. Topics include: culture and race, rituals and symbolism, kinship and gender roles, social evolution, political economy, and sociolinguistics. Ethnographic examples are drawn chiefly from non-Western societies, from simple bands to great agrarian states. The ultimate aim is to enable students to think critically about the bases of their own culture and about practices and beliefs previously unanalyzed and unexamined. 2 hrs. lect./1 hr. disc./2 hrs. screen (Anthropology) **CMP, SOC** (Fall 2016: E. Oxfeld; Spring 2017: D. Stoll)

## SOAN0105 Society and the Individual (Fall 2016, Spring 2017)

This course examines the ideas and enduring contributions of the giants of modern social theory, including Karl Marx, Max Weber, Emile Durkheim, and Sigmund Freud. Readings will include selections from original works, as well as contemporary essays. Key issues will include the nature of modernity, the direction of social change, and the role of human agency in constructing the "good society." This course serves as a general introduction to sociology. 3 hrs. lect. (Sociology) **SOC** (Fall 2016: M. Owens; Spring 2017: C. Han, J. McCallum)

## SOAN0109 Language, Culture and Society (Spring 2017)

In this course students will be introduced to the comparative, ethnographic study of language in relation to socio-cultural context. Our readings will be drawn from diverse global settings and will focus upon language as the means by which people shape and are shaped by the social worlds in which they live. We will examine contrasts in ways of speaking across different communities, personal identities, and institutions. We will explore the consequences of communicative difference across a range of contact situations, including everyday conversation among peers, service encounters, political elections, and global connections or disconnections made possible through new media. 3 hrs. lect./disc. *(Anthropology)/* **CMP, SOC** (M. Nevins)

## SOAN0110 Current Social Issues in Japan (in English) (Spring 2017)

In this course we will use ethnography, fiction, and historical studies to examine some of the underlying themes of Japanese culture. Japan is a highly developed, post-industrial society renowned across the globe for economic success in the post-World War II period. What historical and social factors have shaped Japanâs contemporary culture, and how have interactions with other countries influenced Japanese society? We will study a number of different spheres of Japanese life including the family and the workplace to better understand contemporary society. We will pay special attention to Japanâs global position and its relationship to the United States. 3 hr. lect./disc. (Anthropology) **AAL, SOC** (L. White)

## SOAN0159 Human Origins, Culture, and Biodiversity (Spring 2017)

This course will provide an overview of the field of physical anthropology. The topics to be addressed include the mechanisms of genetics and evolution, human variability and adaptation, our primate relatives and fossil ancestors (hominins), as well as bioarchaeology. Through a combination of lectures and discussions, we will explore human origins and the overall development of the species through time. Likewise, we will look at how language, art, and religion emerge as well as the interplay between environment and biology in human evolution. The course finishes by examining contemporary issues in human biodiversity, from molecular genetics and biotechnology to problematic categories like race, gender, and sexuality. 2 hrs. lect./1 hr. lab. (Anthropology) **SOC** (S. Closser)

## SOAN0191 Introduction to Sociology of Gender (Fall 2016)

What is gender and what would a sociology of it look like? When did gender become a category of inquiry and more importantly why? We will look at how the meaning and performance of gender changed over time, from Classical Greece to Victorian England, to the contemporary U.S. We will also look at how gender changes depending on oneâs position in social space, e.g. oneâs race, class, sexuality, and nationality. Finally, we will consider how the need to look at gender is the result of a variety of discourses, from psychoanalysis to capitalism to movements of liberation such as feminism. 3 hrs. lect. (Sociology) **CMP, SOC** (L. Essig)

## SOAN0201 Sociology of Labor (Spring 2017)

In this class we will survey the sociological literature on labor and labor movements in America and around the world. We will raise questions related to the organization and transformation of work, the making of class society, trade unionism and other class-based organizing, and the impact of globalization on labor organizations. Exploration of these key themes will happen through an analysis of classic and contemporary texts, as well as fiction and film. This is a seminar-style course with opportunities for students to lead class discussions and debates. 3 hrs. lect. (Sociology) **SOC** (J. McCallum)

## SOAN0209 Environmental Sociology (Spring 2017)

In this course we will explore the complex relations between society and the environment. First, we will examine the globalized dominant understanding of "nature" in the Modern era as well as alternatives to this conception. Second, we will explore environmental problems, looking at the interrelationship between social inequality and environmental inequality, power, social justice movements, and governance, including topics such as agrifood systems, biodiversity, public health, energy, climate change, water use, and indigenous knowledge. We will examine these themes using key theories and inquiry from sociologists, historians, philosophers, activists, and geographers, among others. Students own environmental concerns will provide important contributions to this course. Not open to students who have taken SOAN 0308. 3 hrs. lect./disc. (Sociology) **SOC** (D. Thompson Bello)

## SOAN0211 Human Ecology (Spring 2017)

Environmental issues are also cultural and political conflicts, between competing social groups, economic interests and cultural paradigms. This course introduces students to human ecology, the study of how our adaptations to the environment are mediated by cultural differences and

political economy. Topics include: how ecological anthropology has evolved as a subdiscipline, with a focus on systems theory and political ecology; how ritually regulated societies manage resources; how rural communities deal with environmental deterioration; and how contradictions between environmental protection, economic development, and cultural values complicate so many ecological issues. Limited places available for students to satisfy the College writing requirement. (SOAN 0103 or ENVS 0112 or ENVS 0211 or ENVS 0215 or BIOL 0140) 3 hrs. lect. (Anthropology) **CMP, SOC** (M. Sheridan)

## SOAN0212 The Family in Contemporary Society (Spring 2017)

This course will investigate the social, economic, and political forces that have brought about changes in family life in the beginning of the 21st century. We will begin by looking at various attempts to define "the family," and we will then explore a range of topics, including the webs of family relationships (e.g., mothering, fathering, kin networks), labor and family intersections (e.g., mediating between work and family; the household division of labor), gay and lesbian family life, and domestic violence. Although the focus will be on contemporary United States, we will also examine some cross-cultural and historical material. 3 hrs. lect. (Sociology) **CMP, NOR, SOC** (M. Lawrence)

## SOAN0221 Indigenous Peoples of the Americas (Spring 2017)

This course introduces students to the indigenous peoples of North and South America, from before European conquest to the present. Following a brief look at the mound-builders of North America, we will explore the connection between social stratification, religious ideology, and imperial expansion in the political economy of the Aztecs and the Incas. Ethnographies of Quechua peasants in the Peruvian Andes, Yanomami Indians in the Amazon, and Oglala Sioux in the Dakotas will show how contemporary Native Americans are dealing with the never-ending process of colonialism. How Europeans have imagined indigenous peoples has had a profound impact on how the latter defend themselves. The resulting images of authenticity and resistance have always been double-edged. The course will conclude with the debate over the reservation paradigm in the U.S. Limited places available for students to satisfy the College writing requirement. (Formerly SOAN 0321) 3 hrs. lect./disc. (Anthropology) **AAL, CMP, SOC** (D. Stoll)

## SOAN0230 Rethinking the Body in Contemporary Japan (In English) (Spring 2017)

In this course we will examine attitudes toward and tensions related to the human body in Japan. Looking at art, music, style, and social issues we will examine the symbolic as well as material concerns of bodies in contemporary Japan. Religious, historical, martial, and aesthetic understandings of bodies will be addressed. We will analyze Japan's current attitudes toward organ transplantation, treatment of the deceased, plastic surgery, surrogacy, sex change surgery and other embodied practices. Readings will include *Twice Dead* and *Commodifying Bodies*. 3 hrs. lect./ disc. (Anthropology) **AAL, SOC** (L. White)

## SOAN0232 Africa and Anthropology: Power, Continuity,

## and Change (Fall 2016)

Sub-Saharan Africa has long represented primitive mysteries for Europeans and North Americans, as a âDark Continentâ full of exotic people and animals. Even now, many Americans learn little about Africa and Africans except for âthinâ media reports of political, economic, and ecological upheaval or persistent poverty, disease, and despair. This course provides a âthickâ description and analysis of contemporary African conditions using ethnographies and films. We will not be exploring âtraditional African culturesâ outside of their historical contexts or generalizing about âwhat African culture really is.â Rather, our focus will be on understanding social continuity and change alongside cultural diversity and commonality. Topics will include colonialism, critical kinship studies, African feminism, environmental management, witchcraft and religion. Throughout the course African ideas of power â what it is, who has it, and why âunify these diverse topics as social relations. *(Anthropology)/* **AAL, SOC** (M. Sheridan)

## SOAN0234 State and Society in Contemporary Israel (Fall 2016)

In this course we will examine Israeli society and politics in a period of rapid and profound transformation. We will begin with an introductory unit on Zionism, Palestinian nationalism, and the history of the state. Subsequent units will examine the social, cultural, and political characteristics of Israelâs main population sectors (European, Middle Eastern, Russian, and Ethiopian Jews and Palestinian citizens of the state) and religious groupings (Muslims and Jews, including secular, traditional, national-religious, and ultra-Orthodox). The final units will examine ongoing political struggles that will shape the future of the state, including struggles over the role of religion in public life; civil rights and democracy; and West Bank settlements and the Palestinian-Israeli peace process. Most readings assignments will be social scientific or historical in nature, but will also include some journalism and literature. 3 hrs. lect. (Sociology) **AAL, SOC** (T. Sasson)

## SOAN0236 Sociology of Food (Spring 2017)

**Sociology of Food and Agricultural Systems** (Spring 2016)
Using a systems approach, we will critically explore sociological perspectives and methods to analyze the social organization and dynamics of local, regional, national, and global agri-food systems. We will examine commonalities and differences of food systems between communities, places, regions, and nation-states. We will explore theoretical and empirical problems, using literature from different disciplines (such as rural sociology, anthropology, food and environmental studies, ecology, and other interrelated disciplines). By critically examining a final case study, students will learn both theoretical and practical implications of human dimensions in current agri-food systems. **SOC** (E. Morrell)

## SOAN0237 Migration and Food Systems (Fall 2016)

In this course we will use sociological perspectives to analyze interrelationships between transnational migration and food systems. We will examine both historical and contemporary dynamics of migration in Vermont and other parts of the United States. We will explore theoretical and empirical problems, using literature from different disciplines (e.g., sociology, anthropology, food and environmental studies, and other interrelated disciplines). Classes will include lectures and discussions based on shared readings. By critically investigating a final

case study, students will be able to learn and explore mechanisms for community inclusion and exclusion in relation to immigration, food, and agriculture. 3 hrs. lect./disc. **NOR, SOC** (D. Thompson Bello)

## SOAN0240 Inequality and the American Dream (Fall 2016)

In this course we will explore sociological attempts to explain who âgets aheadâ in the contemporary United States. We will discuss two distinct issues that are often conflated in public discussions: economic inequality and social mobility. We will consider the conceptual and empirical associations between these measures, how each has changed over time, how the United States compares to other countries, and how different social environments (such as colleges, neighborhoods, and families) influence life chances within and across generations. We will also examine the challenges of producing research about these topics, focusing on both theoretical and methodological issues. 3 hrs. lect./disc. **NOR, SOC** (M. Lawrence)

## SOAN0261 Globalizing Gender (Fall 2016)

In this course we will explore gender and the process of gendering as a complex and evolving global phenomenon of the 21st century. The readings will focus on the politics and experience of gender and sexualities in various parts of the world, including India, Pakistan, Muslim minorities in South Asia, and among diasporic communities in Europe and the United States. Through lectures and small group discussions, we will critique and analyze themes including third gender, masculinity, changing practices of marriage, the politics of sexuality, and the impact of the womenâs movement, and gay rights movement on existing understanding of gendered traditions. 3 hrs. lect./disc. *(Sociology)/* **CMP, SOC** (B. Taylor)

## SOAN0267 Global Health (Spring 2017)

This course provides an introductory survey of the basic issues and initiatives in contemporary global public health, including in-depth case studies of public health projects in locales including Haiti, Venezuela, Brazil, Rwanda, and Pakistan. We will explore the political, socioeconomic, and cultural complexity of health problems, and critically examine the structure and methods of global public health institutions. 3 hrs. lect./disc. (Anthropology) **AAL, CMP, SOC** (S. Closser)

## SOAN0273 Diasporas and Homelands (Fall 2016)

War, mass migration, and globalization have spurred development of diaspora communities and heightened scholarly interest in the phenomenon. In contrast to other groups of exiles and immigrants, diaspora communities seek integration within host countries as well as ongoing political, economic, and cultural ties to their homelands. A number of questions arise from these complex and dynamic relationships: How do diaspora communities maintain cultural distinctiveness within host countries? How do they maintain and reproduce cultural ties with homelands and other centers of diaspora life? What influence do diaspora communities have on political relationships between host countries and homelands? What influence do they have on internal homeland politics? Finally, what are the implications of the diaspora phenomenon for the future of the nation state and globalization? Case studies will be drawn from a variety of diaspora communities, including Armenians, Nigerians, Jews, Palestinians, Dominicans, and South Asians. 3 hrs. lect. (Sociology) **CMP, SOC** (T. Sasson)

## SOAN0274 Global Flows: The Causes, Dynamics, and Consequences of International Migration (Spring 2017)

Whether they are asylum seekers, undocumented or legal migrants, large-scale movements of people across international borders raises important questions about human rights, nationality, and place. This global flow also presents unique challenges to both newcomers and residents of the receiving society as both sides contend with issues of loyalty, belonging, and identity. In this course we will examine these important issues using the United States as the primary (though not exclusive) context. Drawing upon historical and contemporary material, we will also discuss the social, cultural, political, and economic consequences of global migration. 3 hrs. lect./disc. (Sociology) **NOR, SOC** (T. Tran)

## SOAN0288 Deviance and Social Control (Fall 2016)

This course will introduce students to sociological perspectives on the nature, causes and control of deviant behavior and populations. We will consider, historically and theoretically, the construction of deviance, the social purpose it serves, and the societal response deviance engenders. We will pay special attention to the ways in which the deviant body is constructed and managed through a variety of frameworks â including medical, punitive and therapeutic - and reflect critically on the social and political ramifications of the categorizations âdeviantâ and ânormalâ. 3 hrs. lect./disc. (Sociology) **NOR, SOC** (R. Tiger)

## SOAN0301 The Logic of Sociological Inquiry (Spring 2017)

In this course students will be introduced to the basic tools of sociological research including problem formulation, strategies of design and data collection, and analysis and presentation of results. This class will help students formulate a research question and develop a research strategy to best explore that question. Those strategies may include interviews, structured observation, participant observation, content analysis, and surveys. This class, strongly recommended for juniors, will culminate in the submission of a senior project proposal. (SOAN 0103 or SOAN 0105) 3 hrs. lect./disc./3 hrs. research lab. (Sociology) **DED, SOC** (R. Tiger)

## SOAN0302 The Research Process: Ethnography and Qualitative Methods (Fall 2016)

The aim of this course is to prepare the student to conduct research, to analyze and present research in a scholarly manner, and to evaluate critically the research of others. Practice and evaluation of such basic techniques as observation, participant-observation, structured and open-ended interviews, and use of documents. Introduction to various methodological and theoretical frameworks. Thesis or essay prospectus is the final product of this course. Strongly recommended for juniors. Three-hour research lab required. (SOAN 0103 or SOAN 0105) 3 hrs. lect./disc./3 hrs. research lab (Anthropology) **DED, SOC** (S. Closser)

## SOAN0303 Cults and New Religions (Fall 2016)

Religious outsiders have been persistent yet controversial. Mystics and messiahs preaching a

variety of radical beliefs and ways of life have provoked strong responses from mainline traditions as well as from publics concerned about the "cult" menace. Yet new religions have also been a source of religious experimentation and revival. In this course we will explore the unique characteristics of new religions, the historical circumstances that give rise to them, who join and why, the societal reaction they generate, questions of authority and leadership, violence, and the factors that influence their success, decline and failure. A variety of new religions from North America and the West, as well as from Japan and China, will be considered. These may include the Shakers, the People's Temple, Hare Krishna, Soka Gakkai, the Children of God/Family, Solar Temple, Aum Shinrikyo, Falun Gong, the Branch Davidians, and the Raelians. 3 hrs sem. (Sociology) **CMP, PHL, SOC** (E. Rochford)

## SOAN0304 Gender, Culture, and Power (Spring 2017)

This course offers a cross-cultural introduction to the issues involved in the study of women and gender. Such an endeavor raises a number of difficult and delicate issues. What explains the diversities and similarities in women's roles across societies? How do we assess women's status and power, and how do we decide which standards to use in doing so? What forces create changes in women's roles? What is the relationship between gender constructions and the nature of communities, economies, and even nations? Our analysis will concentrate on three primary domains: family and kinship, symbolic systems, and political economy. Course readings will focus primarily on non-Western societies. 3 hrs. lect./disc. *(Anthropology)/* **AAL, CMP, SOC** (E. Oxfeld)

## SOAN0305 Topics in Sociological Theory (Fall 2016)

This course provides an overview of major lines of development in 20th century social theory relevant to the field of sociology, focusing on how various theorists have grappled with the basic issues that have dominated 20th century social thought. Particular attention will be given to the questions arising from the conceptual distinctions between structure and action, on the one hand, and identity and culture, on the other. How is social order possible? How autonomous are human agents? How do we explain the persistence of observed patterns of human interaction and social practice? How do we analyze relations between the world of everyday life and the large-scale development of social systems? How does social change take place? (SOAN 0103 or SOAN 0105) 3 hrs. lect. (Sociology) **SOC** (M. Owens)

## SOAN0306 Topics in Anthropological Theory (Spring 2017)

This course gives an introduction to some important themes in the development of anthropological thought, primarily in the past century in anglophone and francophone traditions. It emphasizes close comparative reading of selections from influential texts by authors who have shaped recent discourse within the social sciences. (SOAN 0103 or SOAN 0105) 3 hrs. lect. (Anthropology) (M. Sheridan)

## SOAN0314 Sociology of Heterosexuality (Spring 2017)

Most people believe that heterosexuality is natural or rooted in biology and so never look very closely at it as a product of culture. In this course we will examine the artifacts, institutions, rituals, and ideologies that construct heterosexuality and the heterosexual person in American

culture. We will also pay close attention to how heterosexuality works alongside other forms of social power, especially gender, race, and class. 3 hrs. lect. (Sociology) **NOR, SOC** (L. Essig)

## SOAN0319 The Idea of Drugs and Addiction (Fall 2016)

Drugs cause panic and social hysteria. We spend time talking about them and expend energy distinguishing between good and bad drugs and users. Movies, documentaries, literature, art, and television shows reflect this preoccupation with the use and misuse of drugs. In this course we will investigate the social significance of âdrugsâ as a cultural, rather than pharmacological, category. We will consider drugs and addiction as *ideas* that reflect concerns about the âselfâ in modernity. We will examine the panic surrounding drug use and addiction, our preoccupation with treatment, and our emphasis on sobriety. Overall, we will engage with the larger themes the idea of drugs and addiction raises: harm, exclusion, inequality, pleasure, freedom, desire, perfection, enlightenment, and control. 3hrs. lect./disc. (SOAN 0105 or SOAN 0288) (Sociology) **CMP, NOR, SOC** (R. Tiger)

## SOAN0320 Environmental (in)Justice in America (Spring 2017)

In this class we will explore dimensions of racial, class, and gender justice and injustice in the context of human-environmental relations in the United States. We will identify the ecological and socio-political forces that motivated attention to environmental justice starting in the mid-20th century. We will then employ theoretical theories such as critical race theory, social construction, and ecofeminism to examine recent cases of environmental injustice in the United States. Students will also investigate recent citizen, government, and corporate responses to environmental injustice to determine if they are fostering more equitable futures or actually (re)creating socio-environmental disparities in America. 3 hrs lect./disc. (Sociology) **NOR, SOC** (E. Morrell)

## SOAN0325 Indigeneity and Colonialism in Native North America (Fall 2016)

In this course we will approach Native North America and the American political mainstream as dynamically intertwined. Through ethnography, ethno-history, oral literature, and indigenous film we will examine the history of colonial encounters between the Indigenous and the 'Western'. We will examine how indigenous cultural difference and moral claims to land have challenged dominant political cultures across the history of the North American settler states. Our analysis will extend to ongoing questions concerning cultural knowledge, sustainability, and imagined futures. 3 hrs. sem. (Anthropology) **HIS, NOR, SOC** (M. Nevins)

## SOAN0326 Latin American Culture and Society (Fall 2016)

Latin America is a paradise for cultural anthropologists because, with its long history of invasion and cultural hybridization, it is a meeting ground for people from all over the world. This course looks at how the Americas south of the Rio Grande have been symbolized, constructed and contested in debates over national character, the culture of poverty, and dependency on foreign powers. Case material includes peasants, shanty-town dwellers, immigrants to the U.S. and the iconic figures of the Vodoun healer, pop star, druglord and guerrillero. Topics include the

polarities of identity along the U.S.-Mexican border, African possession cults of the Caribbean, the requirements of survival for the poor of the Brazilian Northeast, the hegemony of "whiteness" in the mass media, and the frustrated messianic strivings of revolutionary Cuba. This course is primarily for students doing study abroad in the region. 3 hrs. lect./disc., 2 hrs. screen (Anthropology) **AAL, SOC** (D. Stoll)

## SOAN0330 Global Japanese Culture - In English (Fall 2016)

In this course we will examine the transformation of Japanese cultural identity (Japanese-ness) as products, ideas, and people move across the borders in and out of Japan. Social scientists have been particularly interested in the Japanizing of non-Japanese practices and products such as hip hop and hamburgers, as well as the popularity of Japanese styles and products on the global scene. We will take an anthropological approach using texts such as *Millennial Monsters*, *Remade in Japan*, and *Hip Hop Japan* to examine the issues of cultural hybridity, identity, and globalization. 3 hrs. lect./disc. (Anthropology) **AAL, CMP, SOC** (L. White)

## SOAN0335 The Anthropology of China (Fall 2016)

China serves as a case study in the anthropological analysis of a complex rapidly changing non-Western society. This course will be a survey of the principal institutions and ideas that form the background to modern Chinese society. Areas covered include: family and kinship, ritual, transformations of class hierarchies, and the impact of globalization. Materials will be drawn from descriptions of traditional, contemporary (including both mainland and Taiwanese settings), and overseas contexts. 3 hrs. lect./disc. (Anthropology) **AAL, SOC** (E. Oxfeld)

## SOAN0339 The City and Its People (Fall 2016)

We all live somewhere, and increasingly we find ourselves living in an urban environment. In this course we will explore current topics in urban sociology, with particular emphasis on the power of place, culture, and community in U.S. cities. We will study the historical, cultural, and political conditions that have shaped contemporary U.S. cities, such as New York City, Chicago, and Los Angeles. We will examine how cities change and resist change through the lens of such subjects as migration, poverty, urban arts, crime, and education as it pertains to the city. Students will read a variety of ethnographic and sociological materials, in order to gain an understanding of the complexities of both urban life and processes of representation. 3 hrs. lect./disc. (Sociology) **NOR, SOC** (T. Tran)

## SOAN0345 The Anthropology of Food (Spring 2017)

Food not only sustains bodies, but also reflects and shapes cultures, social identities, and systems of power. In this course we examine the relationship between food and culture. Beginning with an examination of the origins of cooking, we will go on to analyze a variety of approaches to understanding the food/culture/society relationship. These include the symbolic meanings of food, the role of food in constructing social and cultural identities, and the relationship between food and political and economic systems. Our examples will be cross-cultural (Africa, South and East Asia, Europe, and the Americas). 3 hrs. sem. (Anthropology) **AAL, CMP, SOC** (E. Oxfeld)

## SOAN0356 The Continuing Significance of Race in the United States (Fall 2016)

This course will introduce students to theories of race and racism in the United States, how racial categories are formed and maintained in a variety of social arenas, and how race and racism influence social systems. In order to demonstrate the prevalence of race and racism in the U.S., the course will be a âtopicsâ course in that each week, we will explore a different topic (such as education, crime, gender) and examine how they are influenced by race and racism. In addition, the course will compare and contrast the experiences of different racial and ethnic groups in the United States and examine how these different experiences influences the way they are seen, how they see themselves, and how they interact with other groups. Upon completion of the course, students will have a better understanding of the historic and contemporary significance of race and how race influences our everyday interactions in multiple different social arenas. 3 hrs. lect. (Sociology) **CMP, NOR, SOC** (C. Han)

## SOAN0359 Language and Power (Fall 2016)

This course is an introduction to both linguistic anthropology and political anthropology. Communication patterns are always mediated by cultural processes, social inequality, and power, so in this course we will investigate cross-cultural examples of how language, discourse, and representation relate to inequality, power, and resistance. Topics will include sociolinguistics, ethnolinguistics, gendered language practices, political discourse, and theoretical approaches to power (Marx, Foucault, and Bourdieu) (SOAN 0103 or SOAN 0105 or LNGT 0102) 3hrs. lect./disc. (Anthropology) **SOC** (M. Nevins)

## SOAN0376 Politics of Identity (Fall 2016)

In this course we will introduce students to social diversity in the U.S. as it is reflected in four master identities: class, gender, race, and sexuality. We will examine what these identities mean for group membership, how group membership is attained or ascribed and maintained. Using both historical and contemporary materials, we will explore how identities have developed over time and how they have been challenged. In addition, we will examine how multiple identities intersect and the implications of these intersections have on individual identities. 3 hrs. lect./disc. (Sociology) **NOR, SOC** (C. Han)

## SOAN0385 Social Statistics (Spring 2017)

In this course we will learn the practical tools social sociologists and other scientists use to analyze data quantitatively. Topics will emphasize applications with statistical software and data from the General Social Survey and other datasets. We will explore methods to describe statistics about samples, apply the principles of probability to make predictions about populations, and estimate the significance of those predictions through inference and hypothesis testing. We will conclude with an introduction to linear regression. (Open only to majors or by Instructor Approval) 3 hrs. lect./disc. *(Sociology)/* **DED** (M. Lawrence)

## SOAN0430 Higher Education and Society (Fall 2016)

Concerns about quality, value, and cost have raised doubts about whether higher education

remains a pathway to opportunity. In this seminar we will consider these issues by reviewing research on the changing demographics of students, the evolving definition of âmeritâ in admissions, the challenges of assessing what students learn, and the relationship between student loan debt and economic inequality. We will also examine how college shapes later outcomes such as income, health, and family formation. Finally, we will discuss efforts to reform higher education and the potential for innovations like global expansion to reshape postsecondary schooling in the future. 3 hrs. sem. *(Sociology)/* **SOC** (M. Lawrence)

## SOAN0478 Sociology of Punishment (Spring 2017)

In this course, we will examine the changing ideologies and practices of state-sponsored punishment that have led to the spectacular expansion of imprisonment and other forms of penal supervision in the U.S. Drawing on theoretical accounts of punishment, historical examinations of prison and parole, and contemporary studies of criminal law and sentencing, we will consider social control as it plays out via institutionalized contexts, namely prisons and asylums, as well as alternative sanctions, such as coerced treatment. We will identify the major phases of penal development and consider mass imprisonment as both a reflection and cause of racial and economic inequality. (SOAN 0105) 3 hrs. sem. (Sociology) **NOR, SOC** (R. Tiger)

## SOAN0495 Language and the Environment (Spring 2017)

Do languages simply put different labels on the environment, from rocks to trees to carbon, or are what we see and what we value shaped by the ways that we talk about it? Drawing upon ethnography, linguistics, and critical discourse analysis, we will explore how environmental perceptions and modes of action are formed in and through language. We will bring an appreciation of language differences to the analysis of ongoing environmental controversies, where the various stakeholders draw contrasting boundaries between nature and culture and define human involvement with nature in different ways. (SOAN 0103 and a 0100-level LNGT or ENVS course) 3 hrs. lect./disc. *(Anthropology)/* **CMP, SOC** (M. Nevins)

## SOAN0500 Advanced Individual Study (Fall 2016, Spring 2017)

Prior to registering for SOAN 0500, a student must enlist the support of a faculty advisor from the Department of Sociology/Anthropology. (Open to Majors only) (Approval Required) (Sociology or Anthropology)

## SOAN0700 One-Semester Senior Project (Fall 2016, Spring 2017)

Under the guidance of a faculty member, a student will carry out an independent, one-semester research project, often based on original data. The student must also participate in a senior seminar that begins the first week of fall semester and meets as necessary during the rest of the year. The final product must be presented in a written report of 25-40 pages, due the last day of classes. (Sociology or Anthropology)

## SOAN0710 Multi-Semester Senior Project (Fall 2016,

# Spring 2017)

Under the guidance of a faculty member, a senior will carry out an independent multi-semester research project, often based on original data. The student must also participate in a senior seminar that begins the first week of fall semester and meets as necessary during the rest of the year. The final product must be presented in a written report of 60-100 pages, due either at the end of the Winter Term or the Friday after spring break. (Sociology or Anthropology)

## South Asian Studies Minor

*Professor: Cynthia Packert; Ian Barrow (history); Sujata Moorti (gender, sexuality, and feminist studies); William Waldron (religion); Associate Professor: Yumna Siddiqi (English and American Studies); Other affiliated faculty: Febe Armanios (history), Jeffrey Lunstead (diplomat in residence, international and global studies); Ellen Oxfeld (sociology and anthropology)*

This program offers a minor in South Asian Studies to students who complete the following requirements:

(1) Two of the following core courses which focus primarily on South Asia or the religions of South Asia:

ENAM 0270 Postcolonial Literature: 20th-Century South Asia
ENAM 0310 Postcolonial Studies and Politics
HARC 0227 Poetry, Piety & Power: Indian Painting 1200-Present
HIST 0238 Modern Sri Lanka
HIST 0239 Modern India
HIST 0429 Gandhi
IGST 0250 International Diplomacy and Modern South Asia
RELI 0140 Hindu Traditions of India
RELI 0150 The Islamic Tradition
RELI 0220 Buddhist Traditions in India
RELI 0224 Tibetan Tantric Traditions
RELI 0391 Seminar on Women and Religion (when offered as Goddesses of South Asia)
Winter term East India Company

(2) Two courses, chosen from group 1 (above) or from the following courses, which include significant course materials on South Asia or Islam:

HARC 0102 Monuments and Ideas in Asian Art
HARC 0204 Approaches to Islamic Art
HIST 0108 The Early History of Islam and the Middle East
HIST 0109 The History of Islam and the Middle East
IGST 0449 Imperialism and Culture
RELI 0120 Intro to Asian Religions
RELI 0255 Islam in the Modern World
RELI 0320 Seminar in Buddhist Philosophy
WAGS/ FMMC 0347 Remote Control: Global TV Culture

(3) One advanced, relevant 0400-level course (including those listed above in group 1) or an independent 0500-level project.

NOTE: Other courses offered during the fall and spring semesters, or during the winter term, or

at universities in South Asia, may substitute for courses in category 2 at the discretion of the program director. The director or minor adviser will also approve courses to count in category 3.

There are many possibilities for study at universities in South Asia. Contact the Office of Off-Campus Study for details.

## Spanish & Portuguese

**Major in Spanish**:The major consists of a minimum of nine courses numbered 0300 or above. The requirements are as follows:

I.Eight courses from the 0300-0399 level.

- A maximum ofthree courses from the 0300-0349 level may count towards the major (one must be taken before studying abroad)
- At leastfive courses must be at the 0350 level or above.
- At leasttwo of these courses must be taken at Middlebury College during the academic year. The other elective courses may be taken on the Middlebury College campus during the academic year or at the Middlebury College Spanish School, the School in Spain, the Schools in Latin America, or, with departmental approval, at study abroad programs in Latin America sanctioned by Middlebury's Programs Abroad Committee.

II. A 0400-level seminar must be taken on the Middlebury College campus during the academic year in the students senior year.

- Study abroad in in a Spanish-speaking country for at least one semester is highly recommendedand a course at the 300 level is required before studying abroad. Students are expected to consult with their advisor when selecting courses and making plans to study abroad.

Joint Major:The Spanish component of a joint major will consist of at least six courses from departmental offerings numbered 0300 and above, as follows:

II.Five courses from the 0300-0399 level.

- A maximum ofone course from the 0300-0349 level may count towards the major. (must be taken before studying abroad)
- At leastfour courses must be at the 0350 level or above.
- At leasttwo of these courses must be taken at Middlebury College during the academic year. The other elective courses may be taken on the Middlebury College campus during the academic year or at the Middlebury College Spanish School, the School in Spain, the Schools in Latin America, or, with departmental approval, at study abroad programs in Latin America sanctioned by Middlebury's Programs Abroad Committee.

II. A 0400 level seminar must be taken on the Middlebury College campus during the academic year in the students senior year.

- Study abroad in a Spanish-speaking country for at least one semester is highly recommended and a course at the 300 level is required before studying abroad. Students are expected to consult with their advisor when selecting courses and making plans to study abroad.

**Spanish Courses**

Courses labeled SPAN 0100 through 0299 are Elementary, Intermediate and Advanced Intermediate language instruction focused on developing skills in speaking, listening comprehension, reading and writing.

Courses labeled SPAN 0300 through 0349 introduce writers and significant themes in literature, film, linguistics, and culture & civilization. These courses are closed to juniors and seniors returning from study in Spain or Latin America.

Courses labeled SPAN 0350 through 0399 are advanced offerings that explore in greater depth a specific line of inquiry, literary, cultural or linguistic issue, or theme in Spanish and Spanish American writing and thought, and satisfy the International Studies advanced language requirement in Spanish.

Courses taken abroad will count as this level, regardless of their course number.

Courses labeled SPAN 0400 and above are reserved for seniors who are Spanish majors, Latin American Studies majors with a literature and culture track, and European Studies majors with a Spanish literature and culture track; others only by approval.

**Minor in Spanish**:The Spanish minor consists of at least four courses numbered 0300 or above, at least two of which are at the 0350-level or above. Courses can be taken on campus during the academic year or at the Middlebury College Spanish School, the School in Spain, the Schools in Latin America, or, with departmental approval, at study abroad programs in Spain or Latin America sanctioned by Middleburys Programs Abroad Committee. At least one 0350-level or above course must be taken at the Middlebury College campus during the academic year.

**Senior Work**:During the senior year, majors and joint majors must complete a 0400-level seminar.

**International and Global Studies Major with Spanish Language**: Along with other required courses and senior work as described in the International and Global Studies Major section, completion of the Spanish language component requires: (1) proficiency in Spanish (a minimum of one course at the 0300 level or above, or work in the Spanish summer school at the 0300 level or above); (2) at least one semester, preferably a year, abroad in a Spanish-speaking country; and (3) one or more courses at or above the 0350 level upon return from abroad.

**Advanced Placement**:College credit is awarded for successful performance on the Advanced Placement Examinations in Spanish Language and/or Spanish Literature. In all cases the student must satisfactorily complete a course at the 0300 level before the credit will be awarded. AP credit does not affect course placement, nor does it count towards the major or minor. There is a maximum of one credit allowed for Spanish AP.

**Programs Abroad for Juniors**:The department expects that majors will spend at least one semester in residence in a Spanish-speaking country. Middlebury's School in Spain offers both year and semester programs in Madrid. Sites in Cordoba, Getafe, and Logroo are designed for immersion in the Spanish university system. Middlebury's Schools in Latin America (Argentina, Chile, Mxico and Uruguay) offers both year and semester programs. Internship opportunities are available. For more information on these programs, please see the Schools Abroad Web page:http://www.middlebury.edu/sa/. Students who are interested in going abroad and who are also double or joint majors or are thinking of participating in the teacher education program should consult with their advisors in both areas as early as possible to avoid any conflict in plans.
Students who are planning to study abroad at the C.V. Starr-Middlebury Schools in Spain or

Latin America are required to have taken at least one course at the 0300 level or above.

**Honors**:The department will award honors on the basis of a student's work in the department and performance in SPAN 0705. All students interested in receiving honors must contact their advisors at the start of their last year at Middlebury; either in September or in February. Please see the course description for SPAN 0705.

**Portuguese**

***Minor in Portuguese:*** The Portuguese minor consists of at least four courses numbered 0300 or above, at least two of which are at the 0350-level or above. Courses can be taken on campus during the academic year or at the Middlebury College Portuguese Language School, the C.V. Starr-Middlebury School in Brazil, or, with departmental approval, at study abroad programs in Lusophone countries sanctioned by Middleburys Programs Abroad Committee. At least one 0350-level or above course must be taken at the Middlebury College campus during the academic year.
***International Studies:*** Latin American studies majors with a track in the literature and culture of Brazil must take, in addition to their core and regional requirements: PGSE 0202 or its equivalent, four upper level courses in literature or culture taken at Middlebury or in Brazil, and PGSE 0500 during the senior year. At least one elective must be taken at Middlebury during the academic year.

## PGSE0369 Two Iconic African Women from the Lusophone World (Spring 2017)

In this course students will learn about two legendary figures from the Lusophone world: Queen Anna Nzinga (1583-1663) and Chica da Silva (1732-1796). Queen Anna Nzinga is arguably the most celebrated woman in pre-colonial African history, and is today a symbol of African resistance against European colonialism and the national heroine of Angola. Chica da Silva was a Brazilian slave who famously became the mistress of her owner, the Portuguese JoÃ£o Fernandes de Oliveira. Their public relationship brought attention to issues of race and gender that would have presumably remained taboo had this relationship not existed. We will examine these issues and those related to the mythologization of both women in popular culture. To this end, we will draw a parallel between the fictional (novels, movies, songs, soap operas) and historical (biographies, documentaries) portraits of Queen Anna Nzinga and Chica da Silva. This analysis will primarily aim to help students distinguish between myth and history. (PGSE 0215 or by approval) 3 hrs. lect. **AAL, LIT, LNG** (M. Higa)

## PGSE0101 Beginning Portuguese I (Fall 2016)

This course is a fast-paced introduction to Brazilian Portuguese and contemporary Brazilian culture. It focuses on the development of skills in listening, reading, speaking, and writing within a cultural context. Students are expected to continue with PGSE 0102 in winter term, and PGSE 0103 in spring term, after successful completion of PGSE 0101. 5 hrs. lect./disc. **LNG** (F. Rocha)

## PGSE0103 Beginning Portuguese III (Spring 2017)

This course is a continuation of Portuguese 0102. Intensive reading, writing, and speaking. (PGSE 0102) 5 hrs. lect./disc. **LNG** (F. Rocha)

## PGSE0210 Beginning Portuguese for Romance-Language Speakers (Fall 2016, Spring 2017)

This course is designed for Romance-language speakers and advanced Romance-language learners at the 0200 or 0300-level, depending on the language. It is an intensive introduction to Portuguese, covering all of the basic structures and vocabulary as well as important aspects of the cultures of Lusophone countries. Language learning is based on the studentsâ previous knowledge of one or more Romance languages. Students are expected to continue with PGSE 0215, after successful completion of PGSE 0210. (FREN 0205, ITAL 0251, SPAN 0220, or placement at French 0210 or above, Italian 0252 or above, Spanish 0300 or above, or instructorâs approval) 6 hrs. lect./disc. **LNG** (Fall 2016: M. Higa, D. Silva; Spring 2017: F. Rocha)

## PGSE0215 Advanced Portuguese (Fall 2016, Spring 2017)

This course is a continuation of either PGSE 0103 or PGSE 0210. It is designed to balance textual and cultural analysis with a thorough review of grammar at an intermediate/high level. Students will hone their critical thinking and linguistic skills through guided readings, oral discussions, and short written assignments on Lusophone cultural topics. (PGSE 0103 or PGSE 0210 or by waiver) 4 hrs. lect./disc. **LNG** (Fall 2016: M. Higa; Spring 2017: D. Silva, M. Higa)

## PGSE0321 With Flavor: Food and Brazilian Culture (Fall 2016)

In this course we will focus on the food being produced and consumed in Brazil in its relation to Brazilian culture and history. Topics include how food and Brazilian culinary practices are related to certain aspects of Brazilian society, such as the Northeastâs landed oligarchy, Afro-Brazilian culture in Bahia, regional, national, and transnational identities, women and gender constructs, and the experience of hunger. Narratives (fictional, non-fictional, and theoretical) will be drawn from different media: printed and online texts as well as audio-visual materials, such as songs and popular music videos, films, TV series and cooking programs. The course will also entail preparation and degustation of Brazilian dishes. (PGSE 0215 or by approval) 3 hrs. lect. **AAL, LNG, SOC** (F. Rocha)

## PGSE0375 Colonial Discourse and the âLusophone Worldâ (Fall 2016)

In this course we will analyze how European colonialism and imperial endeavors produced meaning, particularly in the interconnected realms of culture, race, language, gender, sexuality, and place. In addition to studying the colonial period, we will pay particular attention to the role and manifestations of colonial discourse more contemporarily in the contexts of nationhood, globalization, sports, and cultural consumption. In doing so, we will address the problematics of the concept of âLusophone,â starting with the historical legacies and cultural implications of such a transnational entity. Course materials will include critical theory, literary texts, primary historical sources, visual media, and music from Brazil, Lusophone Africa, Lusophone Asia, and Portugal. (PGSE 0215 or equivalent) 3 hrs. lect./disc. **AAL, CMP, LNG, SOC** (D. Silva)

## PGSE0411 The Racial Life of Power: (Trans)national Experiences of Race (Spring 2017)

In this course we will explore the emergence of race as a category of classification, social construct, and real experience in conjunction with the consolidation of different forms of power including colonialism, slavery, nationhood and globalization. We will take a global and interdisciplinary approach to our study by examining how race operates in national, transnational, and transcontinental power dynamics and imaginaries. Our interrogation of race will consider its central intersections with class, gender, and sexuality in Africa, Asia, the Caribbean, Europe, Latin America, and North America at different moments in history. Course materials will include visual media, literary texts, primary historical sources, critical theory, and music. (Taught in English) 3 hrs. sem. **AAL, CMP, SOC** (D. Silva)

## PGSE0500 Independent Study (Fall 2016, Spring 2017)

(Approval Required)

## SPAN0101 Beginning Spanish I (Fall 2016)

This course is an introduction to the fundamentals of grammar and focuses on the development of four skills in Spanish: comprehension, speaking, reading, and writing. Emphasis will be placed on active communication aimed at the development of oral and comprehension skills. This course is for students who have not previously studied Spanish. Students are expected to continue with SPAN 0102 and SPAN 0103 after successful completion of SPAN 0101. 5 hrs. lect./disc. (L. Lesta Garcia)

## SPAN0103 Beginning Spanish III (Spring 2017)

This course is a continuation of SPAN 0102. Intensive reading, writing, and oral activities will advance students' proficiency in Spanish in an academic setting. (SPAN 0102) 5 hrs. lect./disc. (I. Feldman)

## SPAN0105 Accelerated Basic Spanish (Fall 2016, Spring 2017)

This accelerated course is designed to reinforce, in one semester, the basic linguistic structures that students need in order to reach the intermediate level of proficiency in Spanish. Strong emphasis will be given to reading and composition. SPAN 0105 is designed specifically for students with 2-3 years of high school Spanish, but who have not yet achieved intermediate proficiency. (Placement test required) 5 hrs. lect./disc. (Fall 2016: A. Fil; Spring 2017: R. Chavez-Castaneda)

## SPAN0201 Intermediate Spanish (Fall 2016, Spring 2017)

This accelerated course is designed to review, reinforce, and consolidate the linguistic structures that students need in order to reach the intermediate level of proficiency in Spanish. A grammar review will accompany intensive language acquisition, vocabulary expansion, readings,

discussions, and compositions. (Placement test required) 3 hrs. lect., 1 hr. drill. **LNG** (Fall 2016: A. Fil, M. Manrique-Gomez; Spring 2017: M. Rohena-Madrazo, A. Fil)

## SPAN0220 Intermediate Spanish II (Fall 2016, Spring 2017)

A course for students seeking to perfect their academic writing skills in Spanish. The course is also an introduction to literary analysis and critical writing and will include reading and oral discussion of literary texts. The course will also include a thorough review of grammar at a fairly advanced level. This course may be used to fulfill the foreign languages distribution requirement. (SPAN 0201, SPAN 0210, or placement) 3 hrs. lect./disc. **LNG** (Fall 2016: B. Baird, G. Gonzalez Zenteno, I. Feldman, L. Lesta Garcia; Spring 2017: E. Garcia, N. Poppe, L. Lesta Garcia, I. Feldman)

## SPAN0301 Advanced Spanish Grammar (Spring 2017)

This course offers a detailed study of complex aspects of Spanish grammar and syntax. Designed to build upon students' existing knowledge of Spanish grammar, the course will begin with a reconsideration of all the tenses in both the indicative and subjunctive moods, their values and their uses. After briefly reviewing the structure of simple sentences, we will analyze in depth all the different types of dependent clauses. Within the context of sentence structure, we will also look at several key aspects of Spanish grammar (ser and estar, prepositions, the infinitive, and the gerund, among others). Students will demonstrate their understanding of the material through a variety of practical and creative exercises. (SPAN 0220 or placement; not open to students who have taken SPAN 0380). **LNG** (M. Manrique-Gomez)

## SPAN0302 Creative Non-Fiction in Spanish (Spring 2017)

This course will introduce students to creative non-fiction in the Spanish language. We will explore the techniques and literary skills necessary for researching and writing memoirs and personal essays, and students will produce at least three polished essays. Readings will include Spanish and Latin American masters and theorists of the genre will include Borges, CortÃ¡zar, Castellanos, Larra, Hostos, Paz, and Poniatowska. (SPAN 0220 or by placement) 3 hrs. lect. **AAL, ART, LIT, LNG** (G. Gonzalez Zenteno)

## SPAN0303 Introduction to Spanish Phonetics and Pronunciation (Fall 2016)

In this course we will study the sound system of Spanish with the aims of introducing the fields of phonetics and phonology while improving pronunciation. Students will become familiar with phonetic transcription, comparing and contrasting articulatory and acoustic characteristics of Spanish as well as English in order to understand and implement different phonological patterns produced by native speakers of Spanish. Additionally, we will discuss major pronunciation differences across the Spanish-speaking world. (SPAN 0220 or placement) 3 hrs. lect./disc. **LNG** (B. Baird)

## SPAN0304 Ideas and Cultures of Spain (Fall 2016, Spring

## 2017)

In this course we will analyze the major sociopolitical and cultural elements in representative Spanish texts from the Middle Ages to the present. We will discuss literary, historical, and political texts, works of art, and films that illustrate cultural elements that bear upon the formation of present day Spanish culture and civilization. (SPAN 0220 or placement) 3 hrs. lect./disc. **EUR, LNG** (Fall 2016: P. Saldarriaga; Spring 2017: M. Manrique-Gomez)

## SPAN0311 Hispanic Theatre (Fall 2016)

In this course we will explore a broad selection of dramas from Spain and Spanish America. We will focus on close readings of plays, considering, where relevant, their historical and cultural contexts. Emphasis will also be placed on the development of critical vocabulary and writing skills in Spanish. Texts will be selected from various periods from the Middle Ages to present day. Authors include: Cervantes, Lope de Vega, CalderÃ³n, sor Juana InÃ©s de la Cruz, Tirso de Molina, AlarcÃ³n, Castellanos, Gambaro, GarcÃa Lorca, Mihura, DÃaz, SolÃ³rsano. (SPAN 0220 or placement) 3 hrs. lect./disc. **AAL, LIT, LNG** (M. Fernandez)

## SPAN0315 Hispanic Film (Spring 2017)

This course will provide an introduction to the cinema of Spain and Spanish America. We will study, among other topics: the idiosyncrasies of film language in Hispanic cultures, the relationships between text and image, representation of history, culture and society. Films from Mexico, Cuba, Argentina, Spain, and other countries will be included in the course. Selected readings on film theory and social and political history, as well as various literary works. In Spanish (SPAN 0220 or placement) 3 hrs. lect./disc. **AAL, LIT, LNG** (N. Poppe)

## SPAN0322 Introduction to Hispanic Linguistics (Fall 2016)

This course is an introduction to the theory and methodology of linguistics as applied to the study of Spanish. The courseâs goals are to understand the basic characteristics of human language (and of Spanish in particular), and to learn the techniques used to describe and explain linguistic phenomena. We will study the sound system (phonetics/phonology), the structure of words (morphology), the construction of sentences (syntax), as well as the history and sociolinguistic variation of the Spanish language, as spoken in communities in Europe, Latin America, and Northern America. We will examine texts, speech samples, and songs, illustrating these linguistic phenomena. (SPAN 0220 or placement) 3 hrs. lect./disc. **CMP, LNG, SOC** (M. Rohena-Madrazo)

## SPAN0328 Spain in the Globalized World (Spring 2017)

In this course we will look at the historical, cultural, and social development of 21st century Spain and its full integration into the Globalized World. One of the main goals of the course will be to provide an array of opportunities to practice oral expression, reading, and writing in the Spanish language. Topics will include Europeanization, the challenge of regional/national identities, and contemporary social issues such as the changing roles of: the family, women, religion, sexual attitudes, and immigration. We will engage these themes through the analysis

and discussion of a wide variety of materials such as literary texts, essays, and films. Readings and films will include: *Crematorio* by Rafael Chirbes, *La ciudadanÃa se moviliza: Los movientos sociales y la globalizaciÃ³n en EspaÃ±a* by Joseph Pont Vidal, and *TambiÃ©n la lluvia* by IcÃar BollaÃn. (SPAN 0220 or placement) **EUR, LNG** (J. Gamero De Coca)

## SPAN0331 Youth Cultures in Contemporary Spain (Spring 2017)

In this course we will explore youth cultures in contemporary Spain (1980-2016). In 1985 the Spanish punk rock band *Siniestro Total* wrote the song âI Will Dance On Your Graveâ, a metaphor for the end of the dictatorship and the beginning of âfreedomâ. We will explore the colorful *Movida* (80s,) the grunge movement (90s,) queer cultures (2000s,) and the disenchantment (2010s). All these events will be framed in a global context and accompanied by critical theory. Through literature, comics, film, arts, and music, we will discuss issues of sexuality, drugs, family, gender, and politics. (SPAN 0220 or equivalent). 3 hrs. lect./disc. EUR, SOC (L. Garcia) **EUR, SOC** (L. Lesta Garcia)

## SPAN0334 The Hispanic Philippines, 1870-1950: Racial Nationalism, Colonial Impairment, and Cultures of Postcolonial Disability (Spring 2017)

In this course we will study the Hispanic cultures and literatures of the Philippines in relation to US, Spanish, and Japanese colonialism. The âIlustraciÃ³n Filipinaâ or Philippine Enlightenment was a mestizo nationalist movement through which the Filipino nation is normatively said to have been consolidated. Drawing from postcolonial theory and disability studies, this course will ask students to analyze the formation of national identities through representations of disability, impairment, and deficiency. **CMP, LIT, LNG** (S. Bolton)

## SPAN0340 Representations of Social, Cultural, and Political Identities in Spain (Fall 2016)

In this course we will study the different representations of Spanish culture and politics. We will emphasize specific aspects that make Spain richly varied: SpainÂ´s breathtaking reinvention and reaffirmation of its own identity after the Disaster of 1898, religious customs and conflicts, gender relations, political values of Spaniards. At the same time, the cultural impact of Don Quixote, Goya, Lorca, republicanism and dictatorship, civil war, flamenco, bullfighting, and soccer. Works to be discussed include a short selection of literary pieces, cultural, visual, musical, and film representations. This course is recommended for students planning to study in Spain. (SPAN 0220 or placement) 3 hrs. lect. *disc.* **EUR, LNG** (M. Manrique-Gomez)

## SPAN0343 Comparative Borderlands: Feminist Cultural Politics of Latin@ and Filipin@ Diasporas (Fall 2016)

Is it productive to think of Filipinos as the lost âLatinos of Asiaâ? In this course we will think through borders formed through the political convulsions of U.S. and Spanish imperialisms. Conventionally understood as discrete formations, this course will bring the American Borderlands and the Hispanic Philippines into a transpacific and transnational feminist

conversation. Centering the radical heterogeneity of Filipin@ and Latin@ diasporas, we will examine culture as sites of struggle offering ways of thinking comparatively across time, space, language and colonialism as well as through dimensions of difference like class, race, gender, sexuality, and ability. 3 hrs. sem. **AAL, CMP, LIT, LNG** (S. Bolton)

## SPAN0345 Hispanic Painting from the Medieval, Renaissance, and Baroque Eras (Fall 2016, Spring 2017)

The main goal of this course is to analyze art. Focusing on aesthetics, we will learn to appreciate the differences between Medieval, Renaissance, and Baroque painting. Regarding formal elements we will work on the use of lines, colors, proportions, and perspective. Artistic appreciation will be complemented with readings on historical and theoretical issues with respect to the intersection among imperial power and religion, race, and ethnicity (Casta painting), mythology, the use of the body as a metaphor, and still-lifes, and *Vanitas* painting. Students will compare artistic manifestations from Spain and the New World, and will be able to trace connections with contemporary art. Students will engage in at least one creative project using Photoshop. Among the artists we will study are: El Greco, VelÃ¡zquez, Josefa de Ãbidos, Goya (Spain), Illescas and The Quito School of Art, Villalpando, Correa, and Cabrera (MÃ©xico), Zapata, Master of Calamarca and many anonymous painters from the Cusco School (Peru, Ecuador and Bolivia). **ART, CMP, LNG** (P. Saldarriaga)

## SPAN0349 Hispanic Athletes: Sports, Nationalist Culture, and the Global Media (Fall 2016)

In this course, we will study sports as an essential part in the construction of nationalist pride and perceptions of race, class, and gender in several Hispanic nation-states and subcultures in Europe and the Americas. We will analyze fictional narrative content such as literature and films (*Pepe el Toro*, *Sugar*, *Black Diamonds*, and many others). In addition, we will also explore how media outlets such as newspapers, magazines, videogames, documentaries, and the internet affect our perceptions of sporting events and their superstars to create controversies, support hegemonic nationalist ideas, and further the commercial ambitions of corporations. (SPAN 0220 or placement) 3 hrs. lect./disc. **AAL, CMP, LNG** (E. Garcia)

## SPAN0361 Hispanic Musical Films (Spring 2017)

In this course we will study Hispanic musical films (including fiction and documentaries) from Spain, Latin America, and the United States. Our main goal will be to understand how Hispanic countries use this cinematic genre to establish nationalist constructions and ideologies, and how this has consequently affected the development of Hispanic musical narratives in the United States. Analyses will focus on how different ethnic aspects are defined as 'Other' in musical genres such as Flamenco, Tango, Rancheras, Tex-Mex, Salsa, Reggaeton, Merengue, and Spanish Rock. We will explore why Hispanic musicals are perceived as exotic in relation to their Anglophone counterparts while studying films such as *Buena Vista Social Club*, *AllÃ¡ en el rancho grande*, *Selena*, and *El dÃa que me quieras*. (At least two Spanish courses at the 0300 level or above, or by waiver) 3 hrs. lect./screening **AAL, LIT** (E. Garcia)

## SPAN0363 Advanced Creative Writing (Spring 2017)

In this course we will use creative writing to develop a deeper understanding of the Spanish language. The objective is to use the Spanish language and Spanish literature as vehicles of artistic expression. Students will turn their writing into art, giving meaning to what might otherwise appear incomprehensible. They will base their writing practice on beauty, truth, and universality, the three wishes of creative work. In this writing lab, we will read theory about the creative writing process and literary works of Hispanic authors, but the main focus will be on the production of an intense body of creative writing. (Two Spanish courses at the 300-level or above, or waiver) 3 hrs. lect./disc.ART LNG **ART, LNG** (R. Chavez-Castaneda)

## SPAN0382 Two Female Mexican Icons: The Virgin of Guadalupe and Sor Juana InÃ©s de la Cruz (Fall 2016)

If one wanted to choose the most representative female figures from all of Mexican history, there is no doubt that Sor Juana and the Virgin of Guadalupe would be the two who have most impacted Mexican society. In this course we will first concentrate on the Guadalupe and will trace her transformation from the 16th- through the 21st century. In spite of a number of polemics around the veracity of her apparitions, she has consolidated herself as the symbol of the Mexican nation. Even in the 21st century, the Virgin of Guadalupe continues to be the most important religious icon in Mexican society. We will read historical documents and poetry, and will give attention to the colonial and contemporary art on the topic. Sor Juana InÃ©s de la Cruz is considered the first feminist of the New World. We will study some of her most representative pieces, and also her response to the âcreationâ of the Guadalupe myth. Not open to students who have taken SPAN/WAGS 1015. (Any two 0300-level Spanish course) **AAL, ART, LIT** (P. Saldarriaga)

## SPAN0388 Gender and Violence in the Hispanic World (Spring 2017)

Differences in the way men and women display violent behavior need to be better understood to prevent acts of murder and massive, often irreversible, harm. In this course we will try to find answers to: What are the origins and explanations of violence in all its forms? How are gendered identities produced and reproduced in society? How is gender implicated in violence? How can the new politics of masculinity inform our discussion of the connection between gender and violence? Discussion and analysis of a variety of materials from different disciplines will form the basis of our exploration, which will focus mainly on the representation of violence in Hispanic culture. Readings will include literary texts by Dolores Redondo, Sergio Ãlvarez, Ãlmer Mendoza, and theoretical texts by Suzanne E. Hatt and Elizabeth Wood. (At least two courses at the 0300-level or above or by waiver) 3 hrs. lect./disc. **AAL, LIT, LNG** (J. Gamero De Coca)

## SPAN0391 Latin American Cultural Studies: Texts and Concepts (Fall 2016)

In this course we will apply Cultural Studies methodology in various cultural contexts, focusing on Latin America. Among the concepts studied will be those of nation, hegemony, postcolonialism, subalternism, performance, heterogeneity, hybridity, aesthetics, race/ethnicity, and gender. Each concept will be used in an analysis of a literary, cinematic, performative, and other artistic work. We will be analyzing, among others, the literary works of Faustino Sarmiento, JosÃ© MartÃ, Pedro Lemebel, Manuel Puig, and JosÃ© MarÃa Arguedas; the cinema

of Jorge Bodansky and Barbet Schroeder; as well as testimonial literature and various other forms of popular culture. (At least two courses at the 0300-level or above or by waiver) 3 hrs. lect./ disc. **AAL, ART** (I. Feldman)

## SPAN0433 Creative Writing: Long Form Narrative (Fall 2016)

This course offers students the opportunity to advance in creative writing in Spanish. Students will create a long-form workâa novella, a collection of interrelated short stories, or a collection of interrelated autobiographical narratives. Through workshops and analyses of literary models, students will develop narrative and stylistic techniques to produce at least twenty-five pages of polished creative work around a unified topic. Prior creative writing experience would be helpful. (Senior Majors or by approval) 3 hrs. sem. **AAL, ART, LNG** (G. Gonzalez Zenteno)

## SPAN0440 ReggaetÃ³n: Language, Gender, & Identity (Spring 2017)

In this seminar we will examine the origins, development, and dissemination of the popular music genre and cultural phenomenon of reggaetÃ³n. In conjunction with scholarly articles on the sociohistorical aspects of reggaetÃ³n, we will examine various artistsâ lyrics, videos, performances, and interviews, spanning from the 1980s up to the present. Students will acquire the theoretical and technical skills to analyze speech, discourse, and performance across different media in order to explore how (trans)national, ethno-racial, and gender identities are constructed and used to perpetuate, stereotype, and sometimes to contest, ideas of marginal/mainstream masculinities and femininities. (Two Spanish courses numbered 0350 or above, or by waiver.) 3 hrs. sem. **AAL, LNG, SOC** (M. Rohena-Madrazo)

## SPAN0500 Independent Study (Fall 2016, Spring 2017)

The department will consider requests by qualified juniors and senior majors to engage in independent work. (Approval only)

## SPAN0705 Senior Honors Thesis (Fall 2016, Spring 2017)

The department will award honors, high honors, or highest honors on the basis of a student's work in the department and performance in SPAN 0705. (Approval only)

### Studio Art

***Required for the Major (12 courses)***: ART 0157, or ART 0159, or another introductory level drawing course; HARC 0100 or HARC 0102 (or an approved substitute in the history of art practice); five studio art courses, three of which must be at the 0300 level or higher;* four additional courses in either studio art practice or any cross-disciplinary electives chosen in consultation with your advisors from the elective categories below; andART 0700 is also required.
* The 0300 level classes integrate to give students well-rounded experience in major approaches to the practice of visual art. Classes in sculpture, photography, printmaking and painting focus on unique properties of each medium, yet highlight technical and expressive connections with

each other and other areas of the curriculum (see elective categories). Instruction is highly individualized in order to help students develop their own artistic voice.
***Joint Major Requirements (8 courses)***: ART 0157, or ART 0159, or another introductory level drawing course; HARC 0100 or HARC 0102 (or an approved substitute in the history of art-practice); four electives in studio art, three of which must be at the 0300 level or higher; one additional elective chosen in consultation with your advisors from the elective categories below; and ART 0700.
***Minors in Studio Art (6 courses)***: ART 0157, ART 0159, or another introductory level drawing course; HARC 0100 or HARC 0102 (or an approved substitute in the history of art practice); four studio art courses, three of which must be at the 0300 level or higher. Minors are eligible to apply to enroll in ART 0700.

***Elective Categories for Studio Art Major****:*
*History of Visual Art Practice*:Any history course in the history of human visual culture. For examples, please refer to the course descriptions of AMST 0225, FMMC 0267, HARC 0204, IGST 0420, and PHIL 0233.

*Visual Imaging*: Any course that seeks to understand and process knowledge through cognitive visual imaging. For examples, please refer to the course descriptions of CSCI 0461, DANC 0361, GEOG 0325, GEOL 0211, and PHYS 0221.

*Metaphorical Thinking*: Any course that teaches how to process knowledge through mapping experience between two realms, linguistic or non-linguistic. For examples, please refer to the course descriptions of CRWR 0170, ENVS/DANC 0277, FMMC 0106, MATH 0121, PHYS 0101, PHYS 0201, THEA 0218, and SPAN 0320.

*Creative Practice*: Any creative practicum course. For examples, please refer to the course descriptions of DANC 0160, FMMC 0348, HARC 0330, and MUSC 0221.

**Honors:** Categories of honors are based upon cumulative departmental averages as follows: honors, 3.7; high honors, 3.8; highest honors, 3.9 or higher.
***Teacher Training***: Students interested in teacher training in art should consult with the chairs of theeducation studiesprogram and the studio art program.
***Study Abroad***: Many students in Studio Art wish to pursue visual art-practice in depth during junior year away from Middlebury. The Program has long experience with many institutions abroad (as well in the U.S.) that offer excellent studio art programs. Students should consult with their advisors to develop a plan for which schools and programs of study are most suitable for their goals.

## ART0157 Foundation Drawing: Making Drawings to Explain the World Around Us (Spring 2017)

In this course we will learn to make drawings and graphic images to reveal the world we inhabit. Skills learned will include how to make perspective, architecture, value, and contour line systems. We will draw from observation of the natural world including, the human figure, exploring structure, expression, and psychology. We will also make and use photographic images. No previous studio experience is required or expected. 6 hrs. lect./lab **ART** (J. Butler)

## ART0159 Studio Art I: Drawing (Fall 2016)

This course is a complete and thorough basic drawing course. Mediums used will be pencil,

charcoal, and ink, among others. Work will be done from observation and invention. Line, perspective, value, composition, and introduction to color will be discussed. Assignments will involve students with the formal and technical aspects of drawing and with the idea of drawing as an individual means of expression. No prior drawing experience is assumed or expected. This course is required of all art majors and minors. 6 hrs. lect./lab **ART** (H. Klein)

## ART0171 Wood in Art and Design: Sticks, Stumps, and Two-by-Fours (Spring 2017)

Spanning the imaginative and pragmatic, this introductory 3-D course explores a material with access to unlimited conceptual and expressive possibilities. Through history wood has inflected art, architecture, and design: from sculpture and furniture, to rituals both spiritual and profane. We will use woodâs aesthetics and practicality to meet our artmaking needs. Through step-by step processes we will learn joinery, carving, lamination, and other techniques to execute visual assignments concerning physics, biology, ecology, and history. These embodied experiences will allow students to negotiate any woodshop, think metaphorically, and increase cognizance of complex material relationships at work in our daily lives. 6 hrs. lect./lab **ART** (W. Ransom)

## ART0180 Sculptural Architecture (Fall 2016)

Architecture is a projection of our dreams as well as a practical necessity. In this course we will explore making architecture as imaginative sculpture. Working on a table-top scale, we will draw, build, and digitally photograph structures confronting challenges of site, population, and aesthetics. Specific and useful skills, such as hand and power tool operation, will be taught. Students will learn how to make sophisticated three-dimensional forms using foam-core, balsa, mahogany, and other woods. In addition, unusual processes of flame-worked and fused glass will be introduced. Weekly image-lectures on the history of sculpture, design, and architecture will be included. This class is recommended for those interested in bridging architectural practice with studio art freedom. No experience is required or expected. 6 hrs. lect./lab
Â  **ART** (J. Butler)

## ART0185 I Draw Therefore I See: Observe, Visualize, and Imagine (Fall 2016)

**I Draw Therefore I See: Observe, Visualize, and Imagine**
Observation. Visualization. Imaginationâ¦these are the foundational principles of expressive images. In this course we will learn how to make drawings using graphite, contÃ©, ink, markers, and collage to develop confidence and a solid understanding of line, value, and perspective. We will also draw the human figure to understand portraiture and anatomy to express our human condition. Conceptually starting in the caves of Altamira with a pit stop at Platoâs cave, spending some time in Obscure Chambers, and emerging enlightened and squinting in a 21st century where nearly every reality is virtual, our class will literally start blindfolded and finish with a short drawing animation. 3 hrs. lect./lab **ART, WTR** (H. Wallner)

## ART0200 Animation: Analog Drawings Set to Sound and Motion (Fall 2016)

Animating drawings is the foundation of moving images, linking static art with illusory

movement. In this course we will start by examining the history of animation, from DaVinci to Duchamp to Pixar. We will then draw live models to learn to represent anatomy and physiognomy with control and nuance. Using this knowledge, we will set out to create individual âdrawing-moviesâ by making handmade images and 3-D physical constructions. In developing their own graphic style students will explore conceptual issues of character, narrative, history, and setting. Although there are no prerequisites for this course, visual art experience and foundation drawing skills are recommended. 3 hrs. lect./lab **ART** (H. Wallner)

## ART0300 Advanced Drawing: Making Your Mark (Spring 2017)

In this course students will refine their drawing skills and their understanding of formal pictorial language and how to visually communicate ideas to a viewer. Students will have the option to explore drawing from observation, imagination, abstraction, and unconventional. Students will be exposed to the importance and relevance of both contemporary art as well as ancient art, stressing critical thinking and the exploration of materials. (ART 0157, ART 0158, ART 0159 or by approval) 6 hrs. lect. **ART** (H. Klein)

## ART0309 The Landscape Re-Imagined: Painting, Drawing, Photography, and Glass (Fall 2016)

In this course we will explore various art-making methods to depict our campus landscape and architecture. We will use oil paint on canvas, color drawing media, photography, and kiln-fused glass in a multi-disciplinary approach to two-dimensional picture-making. We will then explore how to integrate these technical processes with a goal of creating new and contemporary painted images. In addition to weekly image-based lectures on the history of landscape painting, the class will involve a collaborative studio workshop atmosphere, close individual instruction, and personal artistic development. (ART 0157, ART 0158, ART 0159 or by approval) 6 hrs. lect./lab **ART** (J. Butler)

## ART0313 Art of Survival: Sculpture of Staying Alive (Fall 2016)

What does it mean to have the basic necessities of life? Are food, water, and shelter enough? Do we not need human interaction, culture, and art? We will apply basic survival strategies (indoors and out) to questions of environmental need and sustenance. Sculpture projects will involve making devices for foraging food, building shelter, and constructing community. Artwork will be born of necessity but driven by aesthetics, using our hands to shape the world we inhabit. We will employ sculptural methods developed throughout human history to confront tensions between individual desires and collective societal needs. Our goal is to illuminate our choices and how they impact survival. 3 hrs. lect./lab **ART, SOC** (W. Ransom)

## ART0315 Scratching the Surface (Spring 2017)

In this course we will explore studio instruction in traditional and contemporary methods of intaglio printmaking with a critical emphasis on different methods of working directly on the plate. The general term intaglio (from the Italian intagliare, which means to engrave, carve, or cut) covers a multitude of processes. The incised line in the plate holds the ink while the surface

is wiped clean. Only the line prints when paper is placed on the plate and both are run through the etching press. The course is augmented by slide lectures to provide the students with a thorough background in the intaglio medium as well as other drawing based mediums. Depending on resources, students may have the opportunity to be a part of an intensive, collaborative print project to produce an edition of prints with a professional artist. (ART 0157, ART 0158, ART 0159 or by approval) 6 hrs. lect./lab **ART** (H. Klein)

## ART0318 Silkscreen Printmaking (Fall 2016)

In this course students will explore the silkscreen medium with guided studio instruction. This will include paper stencil method, film stencil method, photographic stencil method, and multicolor printing. Concentration will be on drawing. Towards the end of the semester, students will learn to use basic computer-aided imagery. Students will explore the roll of silkscreen printing in contemporary art as well as its use in popular culture. Depending on resources, students may have the opportunity to be part of an intensive collaborative print project to produce an edition of prints with a professional artist. (ART 0157, ART 0158, ART 0159 or by approval) 6 hrs. lect./lab **ART** (H. Klein)

## ART0328 Color Photography (Fall 2016)

This course is an introduction to color photography with an emphasis on the construction of images using personal and social ideas. It will include some study of the history of photography and basic digital imaging techniques to make color prints. Students must have an 8MP (or bigger) digital DSLR camera with manual controls of focus, aperture, and shutter. Non-sectarian mindfulness practice will be part of this class. (ART 0157, ART 0158, or ART 0159, or by approval) 6 hrs. lect./lab. **ART** (J. Huddleston)

## ART0370 Portraiture In Oil Painting and Sculpture (Spring 2017)

In this class we will make images and objects of the human figure. Our approach will be two-fold: We will make glazed-ceramic portrait sculptures, which will be used as the basis for large-scale oil paintings. In doing so, we will learn how artists throughout history made oil paintings by creating and using visual source material. Our paintings will, as the need arises, integrate three-dimensional additions made from fired-ceramic, enameled copper, and/or fused glass. In these ways we will explore concepts of decoration, jewelry, and clothing. We will use digital photography throughout to record, analyze, and invent. In addition to weekly image-based lectures on the history of portraiture and design, the class will be include close, individual instruction within a collaborative workshop atmosphere. (ART 0157, ART 0158, ART 0159 or by approval) 6 hrs. lect./lab **ART** (J. Butler)

## ART0500 Special Project (Fall 2016, Spring 2017)

Supervised independent work with a special project proposed by a student or a collaboration between a student and a faculty member on a special project. Admission by permission of a faculty member. 3 hrs. lect.

## ART0700 Senior Independent Study (Fall 2016, Spring

# 2017)

Approval required. 4 hrs sem./lab (W. Ransom)

## Theatre

**The following new guidelines apply to students who will enter Middlebury in the Fall of 2016 and to any student declaring a Theatre major in the Fall of 2016. Students who entered prior to Fall 2016 and have taken either HARC 0100 or THEA/CRWR 0218 should consult with the Department Chair.**

**Requirements for the Major**: Students must complete a combination of twelve courses (eight core courses and four Theatre electives) and a Crew Requirement (defined below).

Core Courses

ARDV 0116 The Creative Process

THEA 0101 Visual Creativity for the Stage or THEA 0111 Scenic Design I: Beginning or THEA 0113 Lighting Design I: Beginning or THEA 0205 Costume Design I: Beginning

THEA 0102 Acting I

THEA 0208 Theatre History

THEA 0214 Directing I: Beginning

A THEA dramatic literature course

THEA 0406 Twentieth/Twenty-First Century Performance Aesthetics

THEA 0700 Senior Independent Project

**Joint Majors**: Students must complete a combination of eight courses (six core courses and two Theatre electives) and a Crew Requirement (defined below). Joint majors who choose to do their Senior Independent Project in acting or directing may be required to complete an additional course.
*Students wishing to undertake a joint major in ENAM and Theatre should be advised that senior work will normally consist of two full-credit classes, ENAM 0708 and THEA 0708. We strongly recommend that these classes be taken in the same semester, with the understanding that a central goal of the joint major is the thorough integration of both aspects of the joint major. A single-credit, single-semester joint project remains an option for those who wish to pursue a joint thesis that does not include a practical component such as acting or directing.

**Core Courses**

- ARDV 0116 The Creative Process
- THEA 0101Visual Creativity for the Stage or THEA 0111 Scenic Design I: Beginning or THEA 0113 Lighting Design I: Beginning or THEA 0205 Costume Design I: Beginning
- THEA 0102 Acting I
- THEA 0208 Theatre History
- THEA 0406 Twentieth/Twenty-First Century Performance Aesthetics
- THEA 0700 Senior Independent Project

Only one Production Studio course may be counted in fulfillment of the joint major.

**Senior Independent Project**: Students may pursue independent senior projects in acting, directing, design (set, light, or costume), playwriting, literature, applied theatre, or by combining two or more of the above disciplines. All senior projects will include both experiential and analytical work. Intermediate Independent Projects (THEA 0500) are not required but may be proposed in all disciplines except acting. Please visit Senior work for a guide to Senior Work Course Requirements.

**Crew Requirement**: The Crew Requirement must be completed by the end of the 5th semester and will normally be satisfied by undertaking a running crew assignment (lights, sound, wardrobe) on a for-credit production. This requirement may also be fulfilled by stage managing or assistant directing a faculty show, or by completing THEA 0119 Fall Production Studio: Design or THEA 0129 Spring Production Studio: Design.

**Theatre Minor**: Students must complete a combination of six courses (four core courses and two Theatre electives) and a crew requirement.

**Core Courses**:

- ARDV 0116 The Creative Process or THEA 0101 Visual Creativity for the Stage
- THEA 0102 Acting I
- THEA 0208 Theatre History
- THEA literature course

**Theatre electives**: only one Production Studio course may be counted as an elective.

**Crew Requirement**: The Crew Requirement must be completed by the end of the 5th semester and will normally be satisfied by undertaking a running crew assignment (lights, sound, wardrobe) on a for-credit production. This requirement may also be fulfilled by stage managing a faculty show, or by completing THEA 0119 Fall Production Studio: Designer THEA 0129 Spring Production Studio: Design.

**Please note**: These requirements apply to any student declaring a Theatre Minor starting fall 2014.

**Theatre Minor Prior to Fall 2014**

Students who declared a Thea minor prior to fall 2014 must complete a combination of six courses (three core courses and three Theatre electives).

**Core Courses**:

- ARDV 0116 The Creative Process or THEA 0101 Visual Creativity for the Stage
- THEA 0102 Acting I
- THEA 0208 Theatre History

**Theatre electives**: only one Production Studio course may be counted as an elective.

**Honors**: Honors, high honors, or highest honors are awarded to graduating seniors in the Theatre Program based upon their grade point average of 3.8 or better in theatre courses, and overall distinction in the department. Joint majors are only eligible for honors.

**Major Requirements Prior to Fall 2016**

Requirements for the Major: Students must complete a combination of twelve courses (eight core courses and four Theatre electives) and a Crew Requirement (defined below).

ARDV 0116 The Creative Process

THEA 0101 Visual Creativity for the Stage or THEA 0111 Scenic Design I: Beginning or THEA 0113 Lighting Design I: Beginning or THEA 0205 Costume Design I: Beginning

THEA 0102 Acting I

THEA 0208 Theatre History

THEA 0214 Directing I: Beginning

THEA/CRWR 0218 Playwriting I: Beginning or HARC 0100 Monuments and Ideas in Western Art or a THEA literature course

THEA 0406 Twentieth/Twenty-First Century Performance Aesthetics

THEA 0700 Senior Independent Project

## THEA0101 Visual Creativity for Stage (Fall 2016)

Students will develop an understanding of color, line, form, shape, texture, and balance as they apply to historical and current theatrical literature. Projects in figure drawing, charcoal and chalk, watercolor painting, and model making are intended to stretch the student's research ability, artistic imagination, critical-analysis, and presentation skills. The class is designed for all students interested in the visual and the performing arts and serves as an introduction to set, costume, and light design. 25 hours of production lab work will be assigned in class. 3 hrs. lect. **ART** (M. Evancho)

## THEA0102 Acting I: Beginning Acting (Fall 2016, Spring 2017)

Rigorous physical and psychophysical exercises attempt to break through the cultural and psychological barriers that inhibit an open responsiveness to impulses, to the environment, and to others. Attempt is made to free personal response within improvised scenes and, eventually, within the narrative structure of a naturalistic scene. Attention is given to various theories of acting technique. Students are expected to audition for departmental shows. (First- and second-year students only) 3 hrs. lect./individual labs **ART** (Fall 2016: R. Martin; Spring 2017: A. Draper, C. Maravich, V. Mildenberg)

## THEA0111 Scenic Design I: Beginning (Fall 2016)

Exploration and development of basic set design skills for theatre and dance. Class projects will introduce the student to sketching, sculpting, script analysis, and presentation skills. The design projects will challenge the student's imagination and creativity through historical and current theatrical literature, the study of artistic movements in theatre, concept development, and research. In addition, students will work on productions in order to understand better how theory relates to practice. 25 hours of production lab work will be assigned in class. 3 hrs. lect. **ART** (M. Evancho)

## THEA0113 Lighting Design I: Beginning (Spring 2017)

This course examines historical and present lighting theories, theatrical artistic movements, and theatrical literature, leading to the planning and conceptual development of the lighting plot. Class projects will also introduce the student to sketching, painting, sculpture, script analysis, and presentation skills. In addition, students will work on productions in order to understand better how theory relates to practice. 25 hours of production lab work will be assigned in class/3 hrs. lect. **ART** (M. Evancho)

## THEA0119 Fall Production Studio: Design (Fall 2016)

In preparing a fully produced theatrical production for the stage, students will participate in and be exposed to professional production practices in all areas of theatrical design, including sets, costumes, props, lights, and sound. Students will be involved in planning, building, painting, constructing, and running and striking of shows. More advanced students may speak to the professors about taking on special projects, but those with little or no experience backstage are very much encouraged to participate. 8 hrs. lab **ART** (M. Evancho, M. Veikley)

## THEA0129 Spring Production Studio: Design (Spring 2017)

In preparing two fully produced theatrical productions for the stage, students will participate in and be exposed to professional production practices in all areas of theatrical design, including sets, costumes, props, lights, and sound. Students will be involved in planning, building, painting, constructing, and running and striking of shows. More advanced students may speak to the professors about taking on special projects, but those with little or no experience backstage are very much encouraged to participate. 8 hrs. lab **ART** (M. Evancho, M. Veikley)

## THEA0202 Acting II: Voice for the Actor (Fall 2016)

Using the Linklater technique for the voice, students will study the physiological foundations of voice and alignment. By means of interrelated physical and vocal exercises, students will discover ways of changing patterns that restrict a full range of physical and vocal expressiveness. Students will study and present passages from Shakespeare to explore ways in which their new physical and vocal skills may be used to express a greater range of intellectual and emotional understanding. (THEA 0102 and ARDV 0116; Approval required) 4 hrs. lect. (A. Draper)

## THEA0205 Costume Design I: Beginning (Fall 2016)

This introductory course will explore the art and practice of costume design for the theatre. Topics will include the psychology of dress, play-script and character analysis, concept development, historical research, figure drawing, and fabric considerations. (No prior drawing experience is assumed or expected.) 4 hrs. lect. **ART** (M. Veikley)

## THEA0206 Contemporary Women Playwrights (Spring 2017)

In this course we will read and discuss the work of the most influential and interesting American and European playwrights from the 1980s to the present. Authors will include: Maria Irene Fomes, Caryl Churchill, Suzan-Lori Parks, Adrienne Kennedy, Ntozake Shange, Judith Thompson, and Naomi Wallace. Issues of race, class, and gender will be closely examined. Readings will include selections from performance and feminist theory. 3 hrs. lect. *(Dramatic Literature)/* **ART, LIT** (C. Faraone)

## THEA0208 Theatre History (Fall 2016)

Using the dramatic text as the primary focus, this course will chart the progression of theatre from its ritualistic origins to the advent of modern drama. This survey will include an overview of theatrical architecture, the evolution of design and acting styles, and the introduction of the director. Since theatre does not exist in a void, a consideration of the social, cultural, political, and scientific milieu of each era studied will be included in the course. 2 1/2 hrs. lect./discussion & 1 screening per week **ART, CMP, EUR, HIS** (M. Biancosino)

## THEA0210 Fall Production Studio: Acting (Fall 2016)

The cast works as part of a company interpreting, rehearsing, and performing a play. Those receiving credit can expect to rehearse four to six nights a week. Appropriate written work is required. Participation in the course is determined by auditions held the previous term. (Approval required) 3 hrs. lect. **ART** (R. Romagnoli, C. Faraone)

## THEA0214 Directing I: Beginning (Fall 2016, Spring 2017)

As a group, students will analyze one or two plays to discover the process involved in preparing a script for production. Attention will be given to production and design concepts, textual values, auditions, rehearsals, and the structuring of a performance in time and space. Students will also cast and direct one or more scenes to be worked on and performed in class. The practical work is combined with written analysis. (Approval required; ARDV 0116, THEA 0102) 4 hrs. lect. (Fall 2016: M. Biancosino; Spring 2017: V. Mildenberg)

## THEA0220 Spring Production Studio: Acting (Spring 2017)

The cast works as part of a company, interpreting, rehearsing, and performing a play. Those receiving credit can expect to rehearse four to six nights a week. Appropriate written work is required. Participation in the course is determined by auditions held during the term prior to the performance. (Approval required) 3 hrs. lect. **ART** (C. Faraone, V. Mildenberg)

## THEA0236 Contemporary American Playwrights (Fall 2016)

In this course we will explore through discussion and in-class dramatic presentations the plays of a selection of contemporary American writers since 1974. Students will give one oral presentation and submit a concluding essay. Authors read will include Sam Shepard, August

Wilson, John Patrick Shanley, Marsha Norman, Tracey Letts, Miguel Pinero, and Ntozake Shange. (Formerly THEA/AMLT 0216) 3 hrs. lect. *(Dramatic Literature)/* **ART, LIT, NOR** (R. Romagnoli)

## THEA0238 Directing and Creating: Textual Work and Devised Work (Fall 2016)

In recent years the disciplines of directing âtext-basedâ theatre and of creating (or devising) a theatre piece without an initial reliance on a text have built shared approaches to material. Devised work may be composed through vocal or physical improvisation, created through interviews, or collaged from various sources, a text may emerge during the process. Text-based theatre is more traditional in its impetus, but the process of fleshing out a text can be very similar to creating without a text. In this course we will approach both forms of theatre, creating and directing pieces in many forms, and viewing works. Readings include The Viewpoints Book, The Active Text, and The Frantic Assembly Book of Devising Theatre. The course is suggested for actors and designers as well as directors and may be used to fulfill a requirement for senior work in directing or devising. This course is not open to students who have taken THEA 0237 or THEA 0324. (THEA 0102 or THEA 0214 or THEA 0218) 3 hrs. lect. **ART** (C. Faraone)

## THEA0318 Playwriting II: Advanced (Spring 2017)

For students with experience writing short scripts or stories, this workshop will provide a support structure in which to write a full-length stage play. We will begin with extended free and guided writing exercises intended to help students write spontaneously and with commitment. Class discussions will explore scene construction, story structure, and the development of character arc. (ENAM 0170 or THEA 0218 or ENAM/THEA 0240; by approval) 2 1/2 hrs. lect./individual labs **ART, CW** (D. Yeaton)

## THEA0325 Costume Design II: Advanced (Spring 2017)

This course is a continued instruction in costume design and figure illustration. Design projects will focus on the further development of students' graphic and conceptual abilities. (THEA 0205 or by approval) 3 hrs. lect. **ART** (M. Veikley)

## THEA0402 Acting IV: Styles of Acting (Spring 2017)

The course will expose students to the rigorous physical, vocal, mental, and emotional demands of "non-naturalistic" acting, beginning with the Greeks, continuing through Shakespeare, Restoration, the eighteenth century, and ending with contemporary absurdist playwrights. Emphasis is first upon an intellectual understanding of the texts, then upon their fullest physical, vocal, and emotional expression. The course is designed for students who have had some prior stage experience. (ARDV 0116, THEA 0102 and an additional performance course) 4 hrs. lect./1hr. screen. (C. Faraone)

## THEA0406 Twentieth/Twenty-first Century Performance Aesthetics (Fall 2016)

This course is an intensive exploration of the evolution of the theory and practice of theatrical

experimentation in the 20th and 21st centuries. The Modernist movement irrevocably altered the artistâs relationship to the social, and political order. The ramifications of this change will be addressed throughout the course, with particular emphasis on Brecht, Artaud, and Grotowski. Students will write papers and give presentations on the work of such contemporary artists as Peter Brook, DV8, Robert Wilson, Ariane Mnouchkine, Complicite and Jerzy Grotowski. (Approval required; ARDV 0116 and THEA 0208) 3 hrs. lect./1 hr. disc. **ART** (C. Faraone)

## THEA0500 Intermediate Independent Project (Fall 2016, Spring 2017)

In consultation with their advisors, theatre majors in design may propose a THEA 0500 Intermediate Independent Project. Preliminary proposal forms approved by the student's advisor will be submitted to the program by March 1st of the preceding academic year for those wanting credit in the fall or winter terms and by October 1st for those wanting credit in the spring term. Projects will conform to the guidelines that are available in the theatre office. Students are required to attend a weekly THEA 0500/0700 seminar.

## THEA0505 Intermediate Independent Project (Fall 2016, Spring 2017)

(Approval Required)

## THEA0700 Senior Independent Project (Fall 2016, Spring 2017)

Senior work is required. In consultation with their advisors, theatre majors may propose a THEA 0700 Independent Project. Preliminary proposal forms approved by the student's advisor will be submitted to the program by March 1st of the preceding academic year for those wanting credit in the fall or winter terms and by October 1st for those wanting credit in the spring term. Projects will conform to the guidelines that are available in the theatre office. Students are required to attend a weekly THEA 0500/0700 seminar.

## THEA0708 Senior Work: Joint Majors in Theatre and English & American Literatures (Fall 2016, Spring 2017)

Approval required.

### Writing Program

#### College Writing Requirement

Because Middlebury College values writing, all students are required to take two writing intensive courses. The first writing intensive course is the First Year Seminar, taught by faculty across the disciplines. The second writing intensive course is generally taken by the end of a student's sophomore year or as advised by their major area of study. This course is designated by a "CW."

The second-level CW course features in-class discussion of writing and attention to revision.

College writing courses are limited in size and faculty are asked to provide written responses to drafts and to meet individually with students to discuss their work. Many college writing courses also assign peer review.

Expectations for writing in the second-level CW course vary from department to department and class to class. Some classes require twenty pages of polished prose. Others require writing that includes charts and graphs, or perhaps writing for the web. These classes might not think in terms of page numbers.

In CW classes instructors might assign informal writing as well as formal writing. Informal writing, often known as "writing to learn," might be graded or ungraded and might include journals, field notes, informal responses to readings, online discussions, and in-class writing. Informal writing might be used as a way to begin a formal paper or as a means to generate good class discussion.

Formal writing assignments are usually graded, and might include critical and/or creative work. Genres include: argumentative essays, research papers, literature reviews, case studies, op-eds, blogs, digital writing, critical narratives, etc.

Some departments reserve their college writing classes for students majoring in their discipline. In other departments the CW class is open to students across the college, and course content may vary widely.

Faculty seeking approval of their CW class should contact Catharine Wright, Director of the Writing Program. In addition, faculty may contact any member of the Writing Program to discuss their goals for their CW class and to obtain feedback on writing assignments, syllabus design, the peer review process, or responding to student writing.

Members of the Writing Program are also available to visit classes to talk with you and your students about writing.

## WRPR0100 The Writing Workshop I (Fall 2016, Spring 2017)

This course is for students who would like extra work on critical thinking and analytical writing. All sections of this course will address a variety of writing strategies and technologies, from free writing to online writing. Each section will focus on a particular theme to be determined by the instructor. This course does not fulfill the college writing requirement. 3 hrs. lect./disc. (Fall 2016: C. Wright; Spring 2017: S. Shapiro)

## WRPR0101 Writing Workshop II (Fall 2016)

All sections of this course will address a variety of writing techniques and communications tools. Each section will focus on a particular theme. This course does not fulfill the college writing requirement. 3 hrs. lect./disc. (H. Vila)

## WRPR0102 English Language in Global Context (Spring 2017)

In this course, we will discuss and write about the dominance of English in the global landscape.

The course reader, *The Handbook of World Englishes* (2006), offers an interdisciplinary approach to the topic. We will begin the course with a geographic and historical overview of World Englishes and then will examine the impact of English language dominance on individuals and societies, emphasizing themes such as migration, globalization, education, and identity. Throughout the course, we will explore the relevance of these issues to educators, linguists, and policy-makers around the world. **CMP, SOC** (S. Shapiro)

## WRPR0202 Writing To Heal (Spring 2017)

This writing-intensive course examines writing as a catalyst for healing after loss or grief. In a workshop focused on student writing, we will analyze the fiction, drama, poetry and creative nonfiction of Arthur Miller, Jane Austen, Frank McCourt, C.S. Lewis, Sharon Olds, William Wordsworth, Christopher Noel, Madeleine Blais, Susan Minot. Reading James W. Pennebaker's *Opening Up* and Louise DeSalvo's *Writing As A Way of Healing* will create a theoretical underpinning for our discussions. Assignments for this course will include formal analytical essays, creative work (published online), as well as electronic journals and oral presentations. **CW, LIT** (M. Bertolini)

## WRPR0210 Social Class and the Environment (Spring 2017)

In this course we will explore the consequence of growth, technological development, and the evolution of ecological sacrifice zones. Texts will serve as the theoretical framework for in-the-field investigations, classroom work, and real-world experience. The Struggle for Environmental Justice outlines resistance models; Shadow Cities provides lessons from the squatters movement; Ben Hewitt's The Town that Food Saved describes economy of scale solutions, and David Owen's The Conundrum challenges environmentalism. Texts will guide discussions, serve as lenses for in-the-field investigations, and the basis for writing. We will also travel to Hardwick and Putney, Vermont, to explore new economic-environmental models. (Not open to students who have taken ENVS/WRPR 1014) **NOR, SOC** (H. Vila)

## WRPR0303 Outlaw Women (Spring 2017)

In this course we will read and discuss literary novels that feature women who defy social norms: daring survivors, scholars, âwhores,â queers, artists, âmadwomen,â servants, revolutionaries. We will take a critical and transnational approach to issues of race, class, gender, sexuality, ability, and religion. Texts will include Toni Morrisonâs *Sula*, Audre Lordeâs *Zami*, Marguerite Durasâ *The Lover,* Jamaica Kincaidâs *Lucy*, Patricia Powellâs *The Pagoda*, and Azar Nafisi's *Reading Lolita in Tehran*. Students will write formal literary analysis,and narrative criticism. Together we will engage in some contemplative practice and study selected films. (Any one GSFS Course) **CMP, CW, LIT, SOC** (C. Wright)

## WRPR0333 Writing On Contemporary Issues: Writing, Editing, and Publishing Online (Spring 2017)

This course is an introduction to writing prose for a public audience. Students will create both critical and personal essays that feature strong ideas and perspectives. The readings and writing will focus on American popular culture, broadly defined. Essays will critically engage elements

of contemporary American popular culture via a vivid personal voice and presence. Readings will address current issues in popular culture â Gladwell, âBrain Candy,â Klosterman, âCampus Confidential,â for instance. *ReMix: Reading in Contemporary Culture* is the central text. The end result will be a new online magazine of writings on American popular culture 3 hrs. lect. **ART, CW, NOR, SOC** (H. Vila)

## WRPR0340 Telling Stories: Oral History Methods and Practice (Spring 2017)

In this course we will explore historical and contemporary issues in U.S. society through oral history. Key themes include: community, history, memory, power, identity, and social movements. We will practice the craft of conducting and documenting life stories interviews, paying close attention to ethical and technological issues. Readings, documentary films, NPR-StoryCorps projects, archives, and museum exhibits grounded in oral history will serve as texts to explore diverse ways of using and thinking about this dynamic source of knowledge. Collaborative projects will provide opportunities to pursue original research anchored in oral histories. With the permission of interviewees, digitally recorded interviews and related materials created during this course will be donated to Middleburyâs Special Collections. 3 hrs. lect. **HIS, NOR, SOC** (S. Burch)

## WRPR0500 Special Project: Literature (Fall 2016, Spring 2017)

(Approval Required)

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### Other Courses

The following courses are listed in Banner but not included in the department and program listings above.

## PHED0110 Archery (Fall 2016)

**PE**

## PHED0120 Canoeing (Fall 2016)

**PE**

## PHED0132 First Aid/CPR (Fall 2016)

**PE**

## PHED0134 Golf - Beginning (Fall 2016)

**PE**

## PHED0135 Golf-Int (Fall 2016)

**PE**

## PHED0152 Massage (Fall 2016)

**PE**

## PHED0153 Meditation (Fall 2016)

**PE**

## PHED0159 Riding Lessons (Fall 2016)

**PE**

## PHED0165 Strength Training (Fall 2016)

**PE**

## PHED0166 Swim for Conditioning (Fall 2016)

**PE**

## PHED0171 Speed, Agility & Quickness (Fall 2016)

**PE**

## PHED0174 Tennis-Beginning (Fall 2016)

**PE**

## PHED0179 Spinning in the Watt Room (Fall 2016)

**PE**

## PHED0192 Yoga (Fall 2016)

**PE**

## PHED0209 Aqua Cardio (Fall 2016)

**PE**

## PHED0212 Badminton (Fall 2016)

**PE**

## PHED0226 CATZ (Fall 2016)

**PE**

## PHED0232 First Aid/CPR (Fall 2016)

**PE**

## PHED0249 Oratory: Trng the Instrument (Fall 2016)

**PE**

## PHED0252 Massage (Fall 2016)

**PE**

## PHED0253 Meditation (Fall 2016)

**PE**

## PHED0259 Riding Lessons (Fall 2016)

**PE**

## PHED0265 Strength Training (Fall 2016)

**PE**

## PHED0270 Spinning (Fall 2016)

**PE**

## PHED0292 Yoga (Fall 2016)

**PE**

## PHED0432 First Aid/CPR (Spring 2017)

**PE**

## PHED0449 OratoryX: Public Spkng Workout (Spring 2017)

**PE**

## PHED0452 Massage (Spring 2017)

**PE**

## PHED0453 Meditation (Spring 2017)

**PE**

## PHED0459 Riding Lessons (Spring 2017)

**PE**

## PHED0464 Squash - Beg. (Spring 2017)

**PE**

## PHED0465 Strength Training-Beg. (Spring 2017)

**PE**

## PHED0466 Swim for Conditioning (Spring 2017)

**PE**

## PHED0470 Spinning at Vermont Sun (Spring 2017)

**PE**

## PHED0474 Tennis - Beg. (Spring 2017)

**PE**

## PHED0492 Yoga (Spring 2017)

**PE**

## PHED0509 Archery - Beginning (Spring 2017)

**PE**

## PHED0525 Fly Fishing (Spring 2017)

**PE**

## PHED0526 Competitive Athletic Training (Spring 2017)

**PE**

## PHED0532 First Aid/CPR (Spring 2017)

**PE**

## PHED0534 Golf - Beginning (Spring 2017)

**PE**

## PHED0535 Golf - Intermediate (Spring 2017)

**PE**

## PHED0552 Massage (Spring 2017)

**PE**

## PHED0553 Meditation (Spring 2017)

**PE**

## PHED0559 Riding Lessons (Spring 2017)

**PE**

## PHED0564 Squash-Beg. (Spring 2017)

**PE**

## PHED0565 Strength Training (Spring 2017)

**PE**

## PHED0566 Swim for Conditioning (Spring 2017)

**PE**

## PHED0570 Spinning at Vermont Sun (Spring 2017)

**PE**

## PHED0571 Speed, Agility & Quickness (Spring 2017)

**PE**

## PHED0578 Street Hockey (Spring 2017)

**PE**

## PHED0592 Yoga (Spring 2017)

**PE**